

WINTER



**Diamond
and CBN Tools
for Internal
Grinding**

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This catalogue contains the standard programme of grinding pins and wheels of various bonds, grit sizes and concentrations. Make your choice according to your individual requirements.

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Introduction

Bonds

The properties of a bond influence the grinding characteristics of grinding pins and wheels, i.e. under all circumstances the bond has to hold the diamond or cubic boron nitride grits in a way to resist to the forces and temperatures resulting from the grinding operation until optimal results are achieved. On the other hand the bond has also to leave open space to transport the chips. In order to solve various grinding tasks, a number of different types of bonds is available.

Resin Bonds

Mounted pins and grinding wheels with resin bonds are used for dry and wet grinding as well as for off hand and automatic grinding as this type of bond can be very well adapted to the grinding parameters.

Due to extensive research and development bonds have been found, which due to the characteristics of phenolic and polyimide resins, can be used for far more than 50% of all diamond and cubic boron nitride tools.

Metal Bonds

Metal bonds are especially suitable for long-life tools, in general their cutting efficiency (stock removal/time unit) is lower than that of resin bonded tools.

Electroplated Metal Bond

WINTER codes are as follows:

-for diamond: S

-for CBN: GSS

In case of a single layer coating the layer of grit is electroplated to the carrier. Depending on the "thickness" of the galvanic metal bond the grits project from the bond by 30% to 50% of their diameter. Because of the single layer it

is possible to produce galvanic mounted pins of very small diameters.

In case of a grit size of D46 or B46 the smallest possible diameter is 0,3 mm.

Vitreous Bond

Vitrified diamond and CBN tools have besides others excellent properties regarding their resistance of wear as well as thermal stability. These properties in connection with the wellknown dressability and the adjustable porosity will predestine this bond type for a machining long chipping materials, independent of their grade of hardness.

Wear of Bond during Use Self Dressing Effect

In case of proper selection of the specification (grit size-bond-concentration) and well adapted grinding conditions abrasive grits and bonds wear in the same way and the tool always is well cutting. This is called self dressing effect. It means that the tool is constantly self regenerating and dull grits are released from the bond. The reason for this self sharpening is the abrasion caused by the particles of the component to the bond in the so called "chip space", which also causes the wear of the bond.

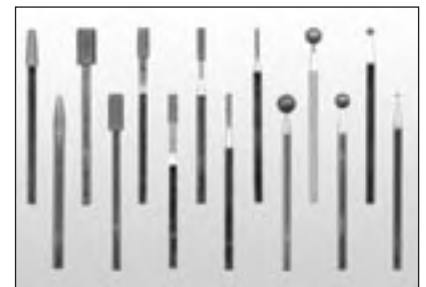
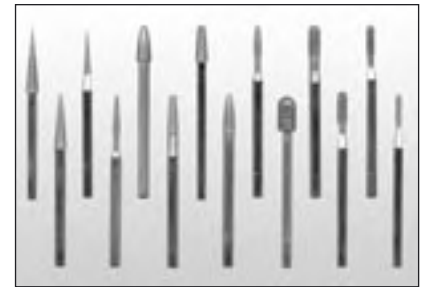
Exception:

Single layer electroplated tools.

In case of single layer electro coated tools the grits project in different ways from the carrier in dependence of their shape and position. Consequently the tools are acting very aggressive when new, this aggressiveness decreases during use due to natural wear. As no new grits are available a self

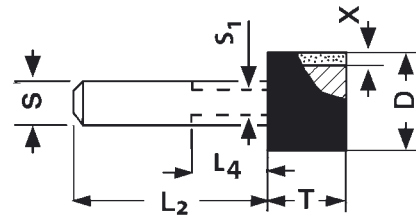
dressing effect of these tools is not possible.

Special Shapes of Electroplated Tools





Coating of a single layer electroplated diamond grinding wheel (new).

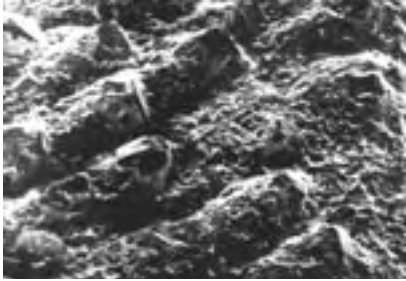


X = Single layer, consequently dependant on chosen grit size

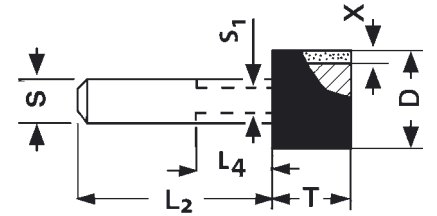
X = variable, due to multi layer coating

Grinding pins / Grinding wheels Overview and Application recommendations

Bond type	Electroplated metal bond		Sintered metal bond
Abrasive	Diamond	CBN	Diamond
Bond designation	WINTER-S for grinding pins 1A1W for grinding wheels 1A1	WINTER-GSS for grinding pins 1A1W for grinding wheels 1A1	Bz 351 for grinding pins 1A1W
Characteristics	High material removal rate, workpiece surface quality depending on wear conditions. Special shapes possible. Dry or wet grinding.	High material removal rate, uniform workpiece surface quality after a certain break-in period. Special shapes possible. Only dry or with straight oil.	Long life, normal material removal rate, good shape retention, workpiece surface quality depends on grit size and operating parameters. Suitable for wet or dry grinding, preferably wet grinding.
Applications	Carbide, hard short-chipping materials (e.g. oxide ceramics), presintered carbide. On internal and jig grinding machines.	HSS and high-alloy hardened steels. On internal and jig grinding machines	Carbide, hard short-chipping materials (e.g. oxide ceramics), sheet glass and hollow glass. On internal and jig grinding machines. On high-speed manual machines.
Recommended parameters			
Shape (order no.)	1A1W and 1A1	1A1W and 1A1	1A1W
Grit size d_k	D46 - D64 - D91 D126 - D181	B46 - B64 - B91 B126 - B151 - B252	D64 - D91 - D126 - D151
Bond	WINTER-S	WINTER-GSS	Bz 351
Concentration	S 33	S 33	C100
Peripheral speed v_c			
wet	(m/s) ...20 Please note	(m/s) ...30 Please note	(m/s) 15...20 Please note
dry	(m/s) ...15 MOS.	(m/s) ...20 MOS.	(m/s) 12...18 MOS.
Table feed rate v_f	(m/min) 0.5...5	(m/min) 0.5...5	(m/min) 0.5...5
Workpiece speed n_w	(1/min) 100...1000	(1/min) 100...1000	(1/min) 30...400
Feed s ($=v_f \cdot 10^3 : n_w$)	(mm) 1...5	(mm) 1...5	(mm) 1...10
Infeed per double stroke a_e ϕ	20 % of d_k	20 % of d_k	2...5 % of d_k
Coolant	Emulsion or synthetic coolant	Dry or straight oil	Emulsion Mist or compressed air



New Resin Bonded Cubic Boron Nitride Grinding wheel



X = variable, due to multi layer coating

Bond type	Resin bond		Vitrified bond
Abrasive	Diamond	CBN	CBN
Bond designation	K-plus 888 RY for grinding pins 1A1W K-plus 888RY for grinding wheels 1A1	KSS RY for grinding pins 1A1W KSS RY for grinding wheels 1A1	VSS 2846 G5AZ and C5VD1
Characteristics	Uniformly good material removal rate, normal life, cool and soft grinding behaviour, workpiece surface quality depending on grit size and operating parameters. Dry or wet grinding.	Uniformly good material removal rate, normal life, cool and soft grinding behaviour, workpiece surface quality depending on operating parameters. Dry or wet grinding. Wet grinding preferred.	Excellent retaining of the abrasives, resistance against abrasion to ensure a high profile accuracy; good properties for easy profiling; high porosity in order to bring in the coolant into and the chips out of the grinding area
Applications	Carbide. Including carbide tipped sawblades, production of wire drawing dies and press dies. On internal and jig grinding machines.	HSS and hardened chromium steels. Case-hardening steels up to bore diameter approx. 20 mm. On internal and jig grinding machines.	Hardened materials like speed steels, chromium steels
Recommended parameters			
Shape (order no.)	1A1W and 1A1	1A1W and 1A1	1A1W and 1A8
Grit size d_k	D46 - D64 - D91 - D126	B91 - B126 - B151	B91 - B126 - B151
Bond	K-plus 888RY	KSS RY	VSS 2846 G5AZ and C5VD1
Concentration	C100	V240 V180	V36 V240
Peripheral speed v_c wet v_c dry	(m/s) 15...25 Please note (m/s) 10...20 MOS.	(m/s) ...30 Please note (m/s) ...20 MOS.	(m/s) ...30 Please note MOS.
Table feed rate v_f	(m/min) 0,5...5	(m/min) 0,5...5	(m/min) 0,5...5
Workpiece speed n_w	(1/min) 100...1000	(1/min) 100...1000	(1/min) 100...1000
Feed s ($=v_f \cdot 10^3 : n_w$)	(mm) 1...5	(mm) 1...5	(mm) 1...5
Infeed per double stroke a_e ϕ	2...5 % of d_k	2...5 % of d_k	2...5 % of d_k
Coolant	Oil and Emulsion	Oil and Emulsion	Oil and Emulsion

Important Instructions for the Use of Mounted Pins

Using mounted pins the max. permissible numbers of revolutions, depending on the clamping length of the spindle

$L_3 (L_{3 \min} / L_{3 \max})$ must **not** be exceeded.

Minimum and maximum clamping lengths and the corresponding permissible numbers of revolutions can be seen from the tables on

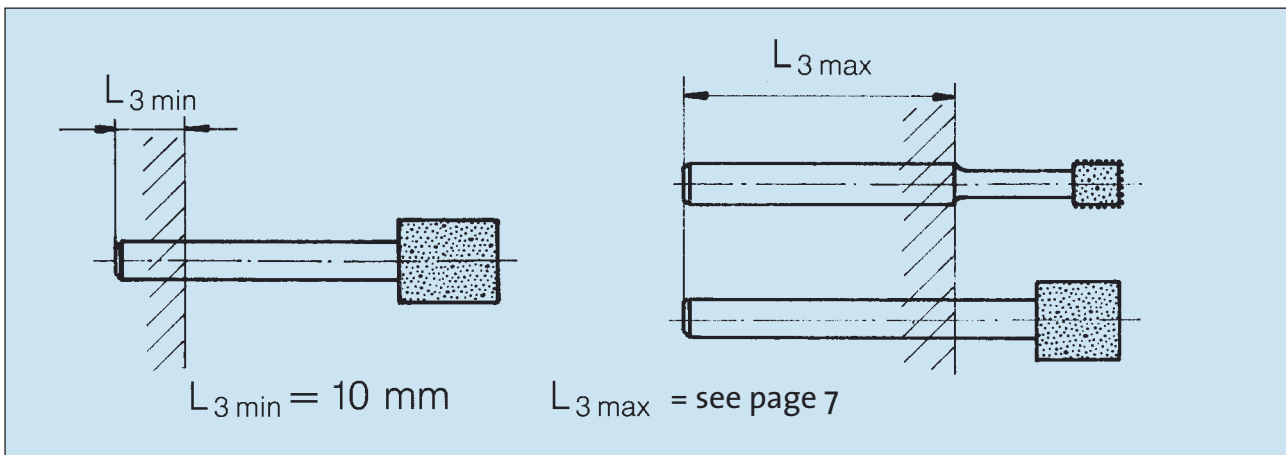
tions to the chosen clamping length.

The relation is not proportional. The max. security can be achieved by using the information relating to $L_{3 \min} = 10 \text{ mm}$.

In case the stated permissible numbers of revolutions are lower than the lowest

The number of revolutions engraved on the spindle of the tools is always the one valid for a clamping length of $L_{3 \min} = 10 \text{ mm}$.

In case the clamping length is in between the stated dimensions $L_{3 \min}$ and $L_{3 \max}$, the permissible number of revolutions has to be recalculated.



pages 4 and 5 of this documentation.

The numbers of revolution mentioned in the tables page 7 refer to the min. and max. clamping lengths $L_{3 \min}$ resp. $L_{3 \max}$.

It is absolutely necessary to adapt the number of revolu-

number of revolutions of the spindle an other technical solution has to be found.

Before using mounted pins the max. permissible number of revolutions has to be checked and adjusted.

Please bear in mind the numbers of revolutions recommended on pages 4 and 5.

Important Instructions for the Use of Mounted Pins.

1A1W Grinding pins in electroplated metal bond

Prod. Gr. 1230/1262			Clamping length $L_{3\min}$	MOS rpm	Clamping length $L_{3\max}$	MOS rpm
Shape	D	T				
1A1W	- 0,4	-4,0				
1A1W	- 0,5	-2,0	10,0	12000	33,0	27000
1A1W	- 0,6	-2,0	10,0	18000	33,0	41000
1A1W	- 0,6	-4,0	10,0	18000	33,0	45000
1A1W	- 0,7	-2,0	10,0	23000	33,0	57000
1A1W	- 0,7	-4,0	10,0	24000	33,0	62000
1A1W	- 0,8	-2,0	10,0	24000	31,0	50000
1A1W	- 0,8	-4,0	10,0	30000	31,0	70000
1A1W	- 0,9	-2,0	10,0	30000	31,0	66000
1A1W	- 0,9	-4,0	10,0	30000	31,0	70000
1A1W	- 1,0	-2,0	10,0	35000	31,0	82000
1A1W	- 1,0	-4,0	10,0	36000	31,0	88000
1A1W	- 1,1	-4,0	10,0	42000	28,0	91000
1A1W	- 1,2	-4,0	10,0	45000	28,0	106000
1A1W	- 1,3	-4,0	10,0	48000	28,0	120000
1A1W	- 1,4	-4,0	10,0	50000	28,0	134000
1A1W	- 1,5	-4,0	10,0	50000	28,0	134000
1A1W	- 1,6	-4,0	10,0	52000	28,0	147000
1A1W	- 1,7	-4,0	10,0	53000	28,0	150000

WINTER-S (Diamond) WINTER-GSS (CBN) MOS (rpm) depending on clamping length L_3

Prod. Gr. 1230/1262			Clamping length $L_{3\min}$	MOS rpm	Clamping length $L_{3\max}$	MOS rpm
Shape	D	T				
1A1W	- 1,8	-4,0	10,0	54000	28,0	150000
1A1W	- 1,9	-4,0	10,0	54000	28,0	150000
1A1W	- 2,0	-4,0	10,0	57000	24,0	138000
1A1W	- 2,2	-4,0	10,0	57000	24,0	143000
1A1W	- 2,4	-4,0	10,0	56000	24,0	145000
1A1W	- 2,5	-4,0	10,0	56000	24,0	146000
1A1W	- 2,6	-4,0	10,0	55000	24,0	146000
1A1W	- 2,8	-4,0	10,0	54000	24,0	145000
1A1W	- 3,0	-5,0	10,0	55000	20,0	106000
1A1W	- 3,5	-5,0	10,0	51000	20,0	96000
1A1W	- 4,0	-5,0	10,0	29000	35,0	132000
1A1W	- 4,5	-5,0	10,0	28000	30,0	83000
1A1W	- 5,0	-7,0	10,0	28000	40,0	85000
1A1W	- 6,0	-7,0	10,0	39000	40,0	150000
1A1W	- 7,0	-8,0	10,0	39000	40,0	136000
1A1W	- 8,0	-10,0	10,0	38000	40,0	120000
1A1W	-10,0	-10,0	10,0	36000	40,0	96000
1A1W	-12,0	-10,0	10,0	33000	40,0	80000
1A1W	-15,0	-10,0	10,0	30000	40,0	64000

1A1W Grinding pins in sintered metal bond

Prod. Gr. 1210			Clamping length $L_{3\min}$	MOS rpm	Clamping length $L_{3\max}$	MOS rpm
Shape	D	T				
1A1W	- 3,0	-6,0	10,0	16000	52,0	130000
1A1W	- 4,0	-6,0	10,0	15000	52,0	138000
1A1W	- 5,0	-6,0	10,0	14000	52,0	141000
1A1W	- 6,0	-6,0	10,0	32000	52,0	150000
1A1W	- 6,0	-8,0	10,0	30000	50,0	150000
1A1W	- 8,0	-6,0	10,0	30000	52,0	120000
1A1W	- 8,0	-10,0	10,0	27000	48,0	120000
1A1W	-10,0	-6,0	10,0	29000	52,0	96000

WINTER-Bz 351 (Diamond) MOS (rpm) depending on clamping length L_3

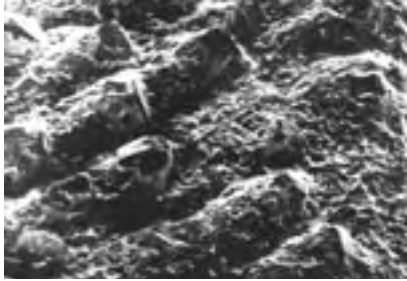
Prod. Gr. 1210			Clamping length $L_{3\min}$	MOS rpm	Clamping length $L_{3\max}$	MOS rpm
Shape	D	T				
1A1W	-10,0	-10,0	10,0	25000	48,0	96000
1A1W	-12,0	-6,0	10,0	27000	52,0	80000
1A1W	-12,0	-12,0	10,0	22000	46,0	80000
1A1W	-15,0	-6,0	10,0	25000	52,0	64000
1A1W	-15,0	-15,0	10,0	18000	43,0	62000
1A1W	-20,0	-6,0	10,0	22000	52,0	48000
1A1W	-24,0	-6,0	10,0	20000	52,0	40000

1A1W Grinding pins in resin bond

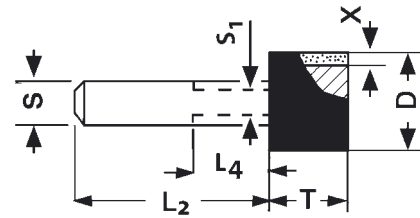
Prod. Gr. 1220/1260			Clamping length $L_{3\min}$	MOS rpm	Clamping length $L_{3\max}$	MOS rpm
Shape	D	T				
1A1W	- 3,0	-6,0	10,0	16000	52,0	139000
1A1W	- 4,0	-6,0	10,0	16000	52,0	137000
1A1W	- 5,0	-6,0	10,0	16000	52,0	144000
1A1W	- 6,0	-6,0	10,0	32000	52,0	150000
1A1W	- 6,0	-8,0	10,0	32000	50,0	150000
1A1W	- 7,0	-6,0	10,0	32000	52,0	136000
1A1W	- 7,0	-8,0	10,0	31000	50,0	136000
1A1W	- 8,0	-6,0	10,0	32000	52,0	120000
1A1W	- 8,0	-10,0	10,0	30000	48,0	120000
1A1W	- 9,0	-6,0	10,0	31000	48,0	106000
1A1W	-10,0	-6,0	10,0	30000	52,0	96000

WINTER-K-plus 888 RY (Diamond) WINTER-KSS RY (CBN) MOS (rpm) depending on clamping length L_3

Prod. Gr. 1220/1260			Clamping length $L_{3\min}$	MOS rpm	Clamping length $L_{3\max}$	MOS rpm
Shape	D	T				
1A1W	-10,0	-10,0	10,0	27000	48,0	96000
1A1W	-12,0	-6,0	10,0	29000	52,0	80000
1A1W	-12,0	-12,0	10,0	25000	46,0	80000
1A1W	-14,0	-6,0	10,0	28000	52,0	68000
1A1W	-15,0	-6,0	10,0	27000	52,0	64000
1A1W	-15,0	-15,0	10,0	20000	43,0	64000
1A1W	-16,0	-6,0	10,0	27000	52,0	60000
1A1W	-18,0	-6,0	10,0	25000	52,0	53000
1A1W	-20,0	-6,0	10,0	24000	52,0	48000
1A1W	-24,0	-6,0	10,0	22000	52,0	40000



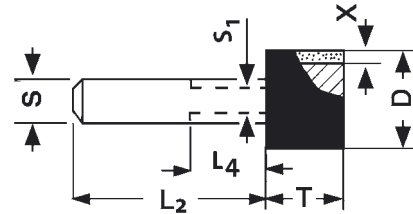
New Resin Bonded Cubic Boron Nitride Grinding wheel



X = variable, due to multi layer coating

Bond type	Resin bond	
Abrasive	Diamond	CBN
Bond designation	KR125 for grinding pins 1A1W KR250 for grinding pins 1A1W	KR192 for grinding pins 1A1W for grinding wheels 1A1 KR24 for grinding pins 1A1W
Characteristics	KR125 Standard wet grinding resin bond for tungsten carbide and combinations of tungsten carbide and steel KR250 Free cutting resin bond (diamond) for wet and dry grinding	KR192 Standard wet grinding resin bond for high speed steels, stainless steels and sprayed alloys KR24 Free cutting resin bond (cBN) for wet and dry grinding
Applications	Carbide. Including carbide tipped sawblades, production of wire drawing dies and press dies. On internal and jig grinding machines.	HSS and hardened chromium steels. Case-hardening steels up to bore diameter approx. 20 mm. On internal and jig grinding machines.
Recommended parameters		
Shape (order no.)	1A1W and 1A1	
Grit size d_k	D46 - D64 - D91 - D126	
Bond	KR125 (wet) KR250 (wet/ dry)	
Concentration	C100	
Peripheral speed v_c wet v_c dry	(m/s) 15...25 Please note - MOS.	
Table feed rate v_f	(m/min) 0,5...5	
Workpiece speed n_w	(1/min) 100...1000	
Feed s ($=v_f \cdot 10^3 : n_w$)	(mm) 1...5	
Infeed per double stroke a_e \varnothing	2...5 % of d_k	
Coolant	Oil and Emulsion	
		1A1W and 1A1
		B91 - B126 - B151
		KR192 (wet) KR24 (wet/ dry)
		V24 V18
		(m/s) ...30 Please note (m/s) ...20 MOS.
		(m/min) 0,5...5
		(1/min) 100...1000
		(mm) 1...5
		2...5 % of d_k
		Oil and Emulsion

Grinding pins in electroplated metal bond



n_{zul} : see page 7, $L_{3min} = 10 \text{ mm}$
X = Single layer, consequently
dependant on chosen grit size

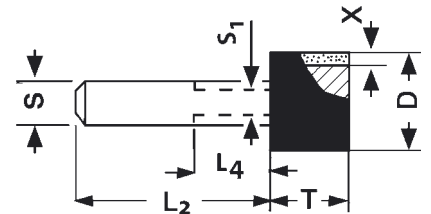
S1A1W

Shape	D	T	S	L ₂	L ₄	DIAMOND grit size	Order No.	CBN grit size	Order No.
S1A1W	0,3	2	3	38	3			B46	66260398706
S1A1W	0,4	2	3	38	7	D46	66260112457	B64	66260390200
S1A1W	0,4	2	3	38	5				
S1A1W	0,4	4	3	36	7	D46	66260113425		
S1A1W	0,5	2	3	38	5	D46	60157643871		
S1A1W	0,5	2	3	38	5	D64	66260113375		
S1A1W	0,5	2	3	38	5	D91	60157644111	B91	66260110140
S1A1W	0,6	2	3	38	5	D64	66260118836		
S1A1W	0,6	2	3	38	5	D91	66260117500	B91	60157644065
S1A1W	0,6	4	3	36	3	D46	66260114368		
S1A1W	0,6	4	3	36	3	D91	66260110736	B91	66260134726
S1A1W	0,7	2	3	38	5	D64	66260131616		
S1A1W	0,7	2	3	38	5	D91	66260112042	B91	60157643505
S1A1W	0,7	4	3	36	3	D46	66260136050		
S1A1W	0,7	4	3	36	3			B64	66260129458
S1A1W	0,7	4	3	36	3	D91	60157644152	B91	66260100338
S1A1W	0,7	4	3	36	3	D126	66260394618		
S1A1W	0,8	2	3	38	7	D46	66260113573		
S1A1W	0,8	2	3	38	7	D91	60157643877	B91	60157643862
S1A1W	0,8	4	3	36	5	D46	66260111913		
S1A1W	0,8	4	3	36	5	D91	60157643493	B91	66260134734
S1A1W	0,8	4	3	36	5	D126	60157643900	B126	60157643870
S1A1W	0,9	2	3	38	7	D64	66260118070		
S1A1W	0,9	2	3	38	7			B91	60157644027
S1A1W	0,9	4	3	36	5	D91	66260110141		
S1A1W	0,9	4	3	36	5	D126	69014161257	B126	66260100335
S1A1W	1	2	3	38	7	D46	66260111957		
S1A1W	1	2	3	38	7	D64	69014161267		
S1A1W	1	2	3	38	7	D91	66260113285	B91	66260134741
S1A1W	1	2	3	38	7	D126	66260115053	B126	66260134739
S1A1W	1	4	3	36	5	D46	66260100252		
S1A1W	1	4	3	36	5	D64	69014179600		
S1A1W	1	4	3	36	5	D91	66260134647	B91	66260134744
S1A1W	1	4	3	36	5	D126	60157643706	B126	66260134742
S1A1W	1,1	4	3	36	8			B91	69014159001
S1A1W	1,1	4	3	36	8	D126	66260110130	B126	60157643932
S1A1W	1,2	4	3	36	8	D46	60157643810		
S1A1W	1,2	4	3	36	8	D91	60157643847	B91	66260134751
S1A1W	1,2	4	3	36	8	D126	60157643955	B126	66260134749
S1A1W	1,2	4	3	36	8	D151	66260112845	B151	66260115878
S1A1W	1,2	4	3	36	5	D181	66260114288		
S1A1W	1,3	4	3	36	8	D91	60157643671	B91	66260110421
S1A1W	1,3	4	3	36	8	D126	60157643988	B126	66260112118
S1A1W	1,4	4	3	36	8	D46	66260393576	B46	66260119243
S1A1W	1,4	4	3	36	8	D91	66260369645	B91	66260390846
S1A1W	1,4	4	3	36	8	D126	66260112002	B126	66260101138
S1A1W	1,4	4	3	44	8	D126	60157643866		
S1A1W	1,5	4	3	18	8	D46	66260398674		
S1A1W	1,5	4	3	36	8	D46	60157643884		
S1A1W	1,5	4	3	36	8	D64	66260118838		
S1A1W	1,5	4	3	36	8	D91	66260134656	B91	66260134757
S1A1W	1,5	4	3	36	8	D126	60157643944	B126	66260134755
S1A1W	1,5	4	3	36	8			B151	66260130606

Items in heavy print are available ex stock.

For all others the minimum ordering quantity is 5 pieces.

Grinding pins in electroplated metal bond



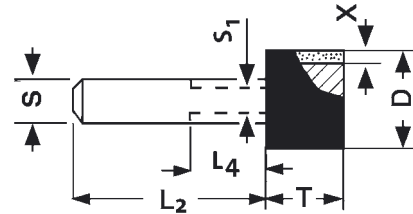
n_{zul} : see page 7, $L_{3min} = 10$ mm
X = Single layer, consequently
dependant on chosen grit size

S1A1W

Shape	D	T	S	L ₂	L ₄	DIAMOND grit size	Order No.	CBN grit size	Order No.
S1A1W	1,5	4	3	36	8	D181	66260100052		
S1A1W	1,5	4	3	60	10			B151	60157680447
S1A1W	1,5	4	6	60	10			B126	66260102844
S1A1W	1,6	4	3	31	8	D64	66260394405		
S1A1W	1,6	4	3	36	8	D46	66260127446		
S1A1W	1,6	4	3	36	8	D91	66260113417	B91	66260110135
S1A1W	1,6	4	3	36	8	D126	66260111477	B126	60157643610
S1A1W	1,6	4	3	36	8	D181	69014174932		
S1A1W	1,7	4	3	36	8	D91	60157643593	B91	66260396782
S1A1W	1,7	4	3	36	8	D126	60157644000	B126	60157643451
S1A1W	1,7	4	3	36	8	D181	66260395617		
S1A1W	1,7	6	3	50	6	D91	60157644178		
S1A1W	1,8	4	3	41	8	D64	66260398906		
S1A1W	1,8	4	3	36	8	D91	66260134662	B91	60157643816
S1A1W	1,8	4	3	36	8	D126	60157644033	B126	60157643992
S1A1W	1,8	4	3	36	8			B151	60157643684
S1A1W	1,8	4	3	36	8	D181	69014180108		
S1A1W	1,9	4	3	36	8	D91	66260114095	B91	66260396682
S1A1W	1,9	4	3	36	8	D126	69014161123		
S1A1W	2	4	2	36	25	D126	66260341657		
S1A1W	2	4	3	36	12	D46	60157643916	B46	66260115274
S1A1W	2	4	3	36	12	D91	66260134665	B91	66260133913
S1A1W	2	4	3	36	12	D126	66260134666	B126	66260133911
S1A1W	2	4	3	36	12			B151	60157644057
S1A1W	2	4	3	36	12	D181	60157643806		
S1A1W	2	4	3	45	13			B91	66260130259
S1A1W	2	6	3	34	14	D126	66260392213		
S1A1W	2	6	3	50	10	D91	60157643186		
S1A1W	2,2	4	3	36	12	D91	66260134668	B91	66260393095
S1A1W	2,2	4	3	36	12	D126	60157644122	B126	66260133914
S1A1W	2,2	4	3	36	12	D181	69014159530		
S1A1W	2,2	6	3	34	12	D126	66260390614		
S1A1W	2,2	8	3	32	12			B126	66260375289
S1A1W	2,3	4	3	36	12	D126	66260113405		
S1A1W	2,4	4	3	36	12	D91	66260116323		
S1A1W	2,4	4	3	36	12	D126	66260113615	B126	66260133917
S1A1W	2,4	4	3	36	12			B151	60157644037
S1A1W	2,4	6	3	50	10	D91	60157643894		
S1A1W	2,5	4	3	36	12	D46	69014165375	B46	66260119046
S1A1W	2,5	4	3	36	12	D46	60157643524		
S1A1W	2,5	4	3	36	12	D91	66260134670	B91	66260133920
S1A1W	2,5	4	3	36	12	D126	66260134671	B126	66260133919
S1A1W	2,5	4	3	36	12			B151	66260111879
S1A1W	2,5	4	3	36	12	D181	60157643996		
S1A1W	2,5	4	3	45	15			B91	66260132360
S1A1W	2,5	4	3	40	14			B126	69014180111
S1A1W	2,5	6	3	34	14	D126	66260390515		
S1A1W	2,6	4	3	36	12			B91	66260390946
S1A1W	2,6	4	3	36	12			B126	66260100326
S1A1W	2,6	6	3	50	12	D91	66260110301		
S1A1W	2,8	4	3	36	12	D91	66260134673	B91	60157643883
S1A1W	2,8	4	3	36	12	D126	66260134674	B126	66260107667

Items in heavy print are available ex stock.
For all others the minimum ordering quantity is 5 pieces.

Grinding pins in electroplated metal bond



n_{zul} : see page 7, $L_{3min} = 10 \text{ mm}$
X = Single layer, consequently
dependant on chosen grit size

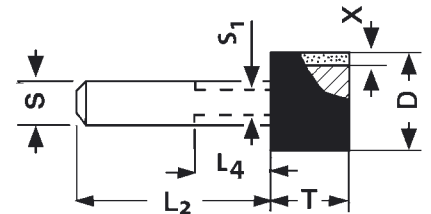
S1A1W

Shape	D	T	S	L ₂	L ₄	DIAMOND grit size	Order No.	CBN grit size	Order No.
S1A1W	3	4	3	41	18			B91	66260132061
S1A1W	3	4	3	51	2			B151	66260135753
S1A1W	3	5	3	35	15	D46	66260100332		
S1A1W	3	5	3	35	15	D64	66260119075		
S1A1W	3	5	3	35	15	D91	66260134675	B91	66260133929
S1A1W	3	5	3	35	15	D126	66260134676	B126	66260133927
S1A1W	3	5	3	35	15			B151	66260133926
S1A1W	3	5	3	35	15	D181	60157643785		
S1A1W	3	5	3	45	15			B91	66260134258
S1A1W	3	6	3	50	14	D91	60157643818		
S1A1W	3,2	5	3	28		D91	66260113665		
S1A1W	3,2	5	3	40		D126	66260370587		
S1A1W	3,5	5	3	35				B64	60157676263
S1A1W	3,5	5	3	35		D91	66260134678	B91	60157643964
S1A1W	3,5	5	3	35		D126	66260134679	B126	66260133931
S1A1W	3,5	5	3	35				B151	66260133930
S1A1W	3,5	5	3	35		D181	60157644125		
S1A1W	3,5	5	3	45				B91	66260130062
S1A1W	3,5	5	3	45				B151	66260389405
S1A1W	3,5	5	3	50				B126	66260131041
S1A1W	3,5	5	3	55				B126	66260129129
S1A1W	3,5	6	3	50		D91	66260100304		
S1A1W	3,6	5	3	40		D126	66260372789		
S1A1W	4	4	3	36				B126	66260373655
S1A1W	4	5	3	35		D181	66260110201		
S1A1W	4	5	3	45		D46	69014168363	B46	66260112854
S1A1W	4	5	3	45		D91	66260134681	B91	66260133937
S1A1W	4	5	3	45		D126	66260134682	B126	66260133935
S1A1W	4	5	3	45				B151	60157643772
S1A1W	4	5	3	45		D181	66260100058		
S1A1W	4	5	3	55				B126	66260132771
S1A1W	4	5	3	57				B91	66260131463
S1A1W	4	5	3	60				B151	66260110526
S1A1W	4	5	4	50	20	D46	66260112543		
S1A1W	4	5	6	55				B151	69014169131
S1A1W	4	5	6	60				B46	66260114187
S1A1W	4	6	3	50		D91	66260110226		
S1A1W	4	7	3	30		D46	60157675786		
S1A1W	4	7	6	43		D126	60157679978		
S1A1W	4	8	3	42		D181	66260110299		
S1A1W	4,2	4	6	41		D91	66260112205		
S1A1W	4,5	5	3	40		D181	60157643482		
S1A1W	4,5	5	3	45		D91	60157643966	B91	66260130724
S1A1W	4,5	5	3	45		D126	60157643674	B126	66260133939
S1A1W	4,5	5	3	45				B151	66260133938
S1A1W	4,5	5	4	57				B91	66260131564
S1A1W	4,5	5	6	55		D126	66260391513	B126	66260110401
S1A1W	4,5	5	6	60				B91	66260128751
S1A1W	4,5	6	3	50		D91	66260110137		
S1A1W	4,5	6	4	54				B151	69014163342
S1A1W	5	5	6	55				B126	69014167904
S1A1W	5	5	6	60	20	D126	66260398308		
S1A1W	5	6	3	50		D91	66260100334		
S1A1W	5	6	3	54		D126	69014160542		
S1A1W	5	6	4	44				B126	66260384473

Items in heavy print are available ex stock.

For all others the minimum ordering quantity is 5 pieces.

Grinding pins in electroplated metal bond



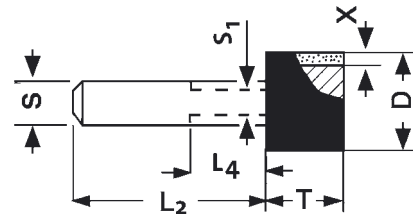
n_{zul} : see page 7, $L_{3min} = 10$ mm
X = Single layer, consequently dependant on chosen grit size

S1A1W

Shape	D	T	S	L ₂	L ₄	DIAMOND grit size	Order No.	CBN grit size	Order No.
S1A1W	5	6	4	57				B91	66260133265
S1A1W	5	6	6	60	31			B46	66260115163
S1A1W	5	7	3	33		D64	66260134107		
S1A1W	5	7	3	40		D46	66260343828		
S1A1W	5	7	3	43		D46	66260344876		
S1A1W	5	7	3	43		D91	66260134687	B91	66260133944
S1A1W	5	7	3	43		D126	66260134688	B126	66260100061
S1A1W	5	7	3	43				B151	60157643453
S1A1W	5	7	3	43		D181	60157644114		
S1A1W	5	7	3	43				B252	66260394462
S1A1W	5	7	3	60				B151	60157644118
S1A1W	5	7	4	60				B126	66260115557
S1A1W	5	7	5	53				B151	66260388277
S1A1W	5	7	6	43				B64	66260113198
S1A1W	5	7	6	43				B151	66260113309
S1A1W	5	7	6	53				B126	60157643918
S1A1W	5	7	6	53		D181	66260113033		
S1A1W	5	7	6	55				B91	66260132552
S1A1W	5	8	3	30		D46	60157675789		
S1A1W	5,5	7	6	53				B126	66260100057
S1A1W	6	7	3	53	13	D126	66260113125		
S1A1W	6	7	5,5	53	13			B126	66260377908
S1A1W	6	7	6	53	13	D46	60157687102		
S1A1W	6	7	6	53	13	D64	66260369072		
S1A1W	6	7	6	53	13	D91	66260134690	B91	66260133947
S1A1W	6	7	6	53	13	D126	66260134691	B126	66260133946
S1A1W	6	7	6	53	13			B151	60157643694
S1A1W	6	7	6	53	13	D181	66260134692		
S1A1W	6	7	6	53	13			B252	66260113964
S1A1W	6	8	6	52	13			B126	66260377354
S1A1W	6	10	6	50	13	D126	60157675977	B126	60157644050
S1A1W	6,5	7	6	50				B126	66260134494
S1A1W	7	7	6	38		D91	66260118594		
S1A1W	7	8	6	42				B151	66260113168
S1A1W	7	8	6	52		D91	66260134693	B91	66260133951
S1A1W	7	8	6	52		D126	66260134694	B126	66260133949
S1A1W	7	8	6	52				B151	60157643834
S1A1W	7	8	6	52		D181	60157643771		
S1A1W	7	7	6	38		D91	66260118594		
S1A1W	7	8	6	42				B151	66260113168
S1A1W	7	8	6	52		D91	66260134693	B91	66260133951
S1A1W	7	8	6	52		D126	66260134694	B126	66260133949
S1A1W	7	8	6	52				B151	60157643834
S1A1W	7	8	6	52		D181	60157643771		
S1A1W	7,5	8	6	60				B126	66260100078
S1A1W	8	10	6	50		D46	66260394642		
S1A1W	8	10	6	50		D91	66260134696	B91	66260133955
S1A1W	8	10	6	50		D126	66260134697	B126	66260133953
S1A1W	8	10	6	50				B151	66260133952
S1A1W	8	10	6	50		D181	66260134698		
S1A1W	8	10	8	60	20			B126	66260137365
S1A1W	8	10	6	60				B151	66260374364
S1A1W	9	10	6	50		D126	66260397728	B126	66260112139
S1A1W	9	10	6	50		D151	66260347053		

Items in heavy print are available ex stock.
For all others the minimum ordering quantity is 5 pieces.

Grinding pins in electroplated metal bond



n_{zul} : see page 7, $L_{3min} = 10 \text{ mm}$
X = Single layer, consequently dependant on chosen grit size

S1A1W

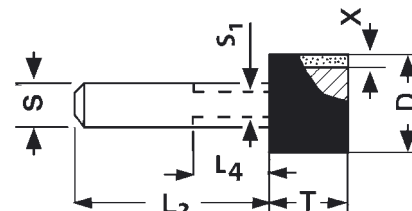
Shape	D	T	S	L ₂	L ₄	DIAMOND grit size	Order No.	CBN grit size	Order No.
S1A1W	10	10	6	50		D46	66260114107		
S1A1W	10	10	6	50		D91	66260134699	B91	66260133958
S1A1W	10	10	6	50		D126	66260134700	B126	66260133957
S1A1W	10	10	6	50				B151	66260133956
S1A1W	10	10	6	50		D181	66260134701		
S1A1W	10	10	6	50				B252	66260397991
S1A1W	10	10	8	60		D126	66260110289	B126	66260133621
S1A1W	12	10	6	50		D91	66260134702	B91	66260111583
S1A1W	12	10	6	50		D126	66260134703	B126	66260133960
S1A1W	12	10	6	50				B151	66260133959
S1A1W	12	10	6	50		D181	66260134704		
S1A1W	12	10	6	50		D213	60157681642		
S1A1W	12	10	6	50				B252	66260117427
S1A1W	12	10	8	60				B126	66260112485
S1A1W	12	10	8	60				B151	66260112318
S1A1W	14	10	6	50		D126	66260374208	B126	69014181575
S1A1W	15	5	6	45		D126	69014165569		
S1A1W	15	10	6	50		D91	66260338318	B91	66260114302
S1A1W	15	10	6	50		D126	60157643885	B126	60157644004
S1A1W	15	10	6	50				B151	60157643797
S1A1W	15	10	6	50		D181	66260134706		
S1A1W	15	10	6	50		D213	60157681643		
S1A1W	15	10	6	50				B252	66260113163
S1A1W	15	10	8	50		D126	66260113915		
S1A1W	15	10	8	50				B151	66260111531
S1A1W	16	10	6	40		D126	66260350227		
S1A1W	16	10	6	60		D181	66260118320		
S1A1W	18	10	6	50		D126	66260373588		
S1A1W	20	6	6	60				B151	66260383894
S1A1W	20	10	6	50		D46	69014164590		
S1A1W	20	10	6	50		D126	66260115707	B126	66260117207
S1A1W	20	10	6	60				B151	66260386007
S1A1W	20	10	6	50		D181	66260118388		

Items in heavy print are available ex stock.
For all others the minimum ordering quantity is 5 pieces.

Grinding pins in electroplated metal bond

-for Jig Grinding Machines-

S1A1W



n_{zul} : see page 7, $L_{3min} = 10$ mm

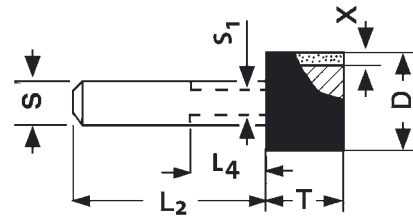
X = Single layer, consequently
dependant on chosen grit size

Shape	D	T	S	L ₂	L ₄	DIAMOND grit size	Order No.	CBN grit size	Order No.
S1A1W	1	2	3	48				B126	66260385649
S1A1W	1	4	3	55				B151	60157643653
S1A1W	2	4	3	62				B151	66260110261
S1A1W	2	4	3	76				B126	69014195997
S1A1W	2	5	6	65		D151	66260117424		
S1A1W	3	5	3	60				B151	60157643553
S1A1W	3	5	3	66				B126	66260116678
S1A1W	3	5	3	70	20	D126	66260137173		
S1A1W	3	5	3	75				B126	69014195996
S1A1W	3	5	6	65		D151	69014186633		
S1A1W	4	5	6	75		D91	66260131156		
S1A1W	4	5	6	75				B126	66260341193
S1A1W	4	5	6	90	39	D126	66260118753		
S1A1W	4	5	6	95		D151	66260116629		
S1A1W	4	6	3	100		D126	66260136157		
S1A1W	4,5	5	6	95		D151	69014165130		
S1A1W	4,5	6	4	100				B126	66260137423
S1A1W	5	7	3	73				B126	66260119814
S1A1W	5	7	3	100				B126	66260133004
S1A1W	5	7	4,5	73				B126	66260111874
S1A1W	5	7	6	73		D181	66260115267		
S1A1W	5	7	6	73		D91	66260132357		
S1A1W	5	7	6	80	20	D126	66260112513		
S1A1W	5,5	6	5	70				B151	66260119822
S1A1W	5,5	7	5	100				B126	66260116631
S1A1W	6	7	6	63				B91	66260111672
S1A1W	6	7	6	63				B151	66260116228
S1A1W	6	7	6	68				B252	66260100064
S1A1W	6	7	6	75		D91	60157643963		
S1A1W	6	7	6	75				B126	60157643703
S1A1W	6	7	6	75		D181	60157644034		
S1A1W	6	7	6	80				B151	66260110501
S1A1W	6	7	6	80	20			B126	66260115518
S1A1W	6	7	6	83				B91	66260114316
S1A1W	6	7	6	98		D126	66260385962		
S1A1W	6	7	6	98				B151	66260386863
S1A1W	6	7	6	102	20			B126	66260118114
S1A1W	6	7	6	117	20	D126	60157643893		
S1A1W	6	10	6	120	20	D181	66260115475		
S1A1W	6,3	7	6	112				B126	66260371386
S1A1W	6,5	7	6	105				B151	60157672958
S1A1W	6,5	7	6	63				B91	66260111377
S1A1W	6,5	8	6	92				B126	66260112646
S1A1W	7	7	6	80				B151	60157643994
S1A1W	7	8	6	62				B91	66260136202
S1A1W	7	8	6	62				B126	66260136866
S1A1W	7	8	6	62				B151	66260115758
S1A1W	7	8	6	72		D91	66260133665		
S1A1W	7	8	6	72				B151	66260111663
S1A1W	7	8	6	72				B126	66260117773
S1A1W	7	8	6	75				B91	66260134194
S1A1W	7	8	6	80				B126	66260107648
S1A1W	7	8	6	90				B91	66260113367
S1A1W	7	8	6	90		D126	66260115055		
S1A1W	7	8	6	105				B126	66260133796

Items in heavy print are available ex stock.
For all others the minimum ordering quantity is 5 pieces.

Grinding pins in electroplated metal bond

-for Jig Grinding Machines-
S1A1W



n_{zul} : see page 7, $L_{3min} = 10$ mm
X = Single layer, consequently
dependant on chosen grit size

Shape	D	T	S	L ₂	L ₄	DIAMOND grit size	Order No.	CBN grit size	Order No.
S1A1W	8	8	6	80				B126	66260129920
S1A1W	8	8	6	90				B126	66260116257
S1A1W	8	8	6	100		D151	66260118132	B151	66260397767
S1A1W	8	10	6	70					
S1A1W	8	10	6	70		D301	66260346645		
S1A1W	8	10	6	75		D91	66260110242		
S1A1W	8	10	6	75				B126	60157643605
S1A1W	8	10	6	75		D181	66260110167		
S1A1W	8	10	6	80				B91	66260117670
S1A1W	8	10	6	80				B151	60157643545
S1A1W	8	10	6	80				B252	60157643793
S1A1W	8	10	6	90		D126	60157643124		
S1A1W	8	10	6	100		D181	66260118131		
S1A1W	8	10	6	120		D126	66260110125		
S1A1W	8	10	8	105		D126	60157673170	B126	66260132299
S1A1W	8	10	8	105				B151	66260134200
S1A1W	8,5	10	8	90				B126	66260112685
S1A1W	8,5	10	8	100				B126	60157688451
S1A1W	9	10	8	90				B91	66260112785
S1A1W	9	10	8	90				B151	66260116072
S1A1W	9	10	8	90				B252	69014162102
S1A1W	9	10	8	110				B126	66260396637
S1A1W	10	10	6	75		D91	60157644175		
S1A1W	10	10	6	75				B126	60157644046
S1A1W	10	10	6	75		D181	60157644083		
S1A1W	10	10	6	80				B151	66260110237
S1A1W	10	10	6	80		D181	69014172400		
S1A1W	10	10	6	100		D126	66260118932		
S1A1W	10	10	8	70				B252	66260113353
S1A1W	10	10	8	80				B91	66260132466
S1A1W	10	10	8	90				B151	66260111481
S1A1W	10	10	8	100		D181	66260112491		
S1A1W	10	10	8	120				B126	66260127955
S1A1W	10	10	9	110		D151	66260132830		
S1A1W	10	10	10	70				B252	66260100056
S1A1W	10	10	10	115				B91	60157677498
S1A1W	10	15	10	100				B91	66260133590
S1A1W	10,5	12	10	88				B126	66260115340
S1A1W	10,5	12	10	100				B151	66260355633
S1A1W	11	10	10	90				B252	66260394140
S1A1W	11	10	10	100				B151	66260112630
S1A1W	11	10	10	110				B151	60157686106
S1A1W	12	10	6	75		D91	60157643803		
S1A1W	12	10	6	75				B126	66260100091
S1A1W	12	10	6	75		D181	60157644091		
S1A1W	12	10	6	80				B151	60157643920
S1A1W	12	10	6	90		D126	60157643732		
S1A1W	12	10	8	100		D181	66260112790		
S1A1W	12	10	8	110				B126	66260119964
S1A1W	12	10	10	80				B91	66260112508
S1A1W	12	10	10	80				B151	66260114058
S1A1W	12	10	10	80				B252	60157643903
S1A1W	12	10	10	110				B91	66260118429
S1A1W	12	10	10	110		D126	66260131679		
S1A1W	12	10	10	110				B151	66260119831

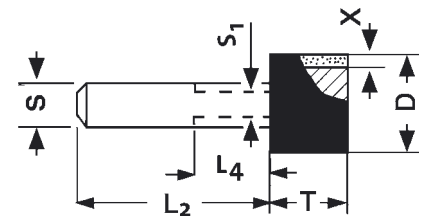
Items in heavy print are available ex stock.

For all others the minimum ordering quantity is 5 pieces.

Grinding pins in electroplated metal bond

-for Jig Grinding Machines-

S1A1W

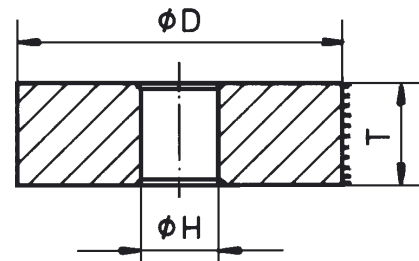


n_{zul} : see page 7, $L_{3 min} = 10 \text{ mm}$

X = Single layer, consequently
dependant on chosen grit size

Shape	D	T	S	L ₂	L ₄	DIAMOND grit size	Order No.	CBN grit size	Order No.
S1A1W	12	10	10	120					
S1A1W	12	10	10	125		D181	66260115017	B126	60157643965
S1A1W	12	10	10	150				B126	66260119466
S1A1W	14	10	8	75				B126	66260115218
S1A1W	14	10	10	110				B151	66260115989
S1A1W	15	4	10	100				B126	66260117848
S1A1W	15	5	8	95		D126	66260372139		
S1A1W	15	10	8	90		D181	66260112567		
S1A1W	15	10	10	80				B151	66260112427
S1A1W	15	10	10	80				B252	66260100380
S1A1W	15	10	10	100				B91	66260127732
S1A1W	15	10	10	100				B151	66260116285
S1A1W	15	10	10	120				B126	60157659636
S1A1W	15	10	10	125		D181	66260113624		
S1A1W	16	10	10	90				B91	66260112943
S1A1W	16	10	10	90				B126	66260132519
S1A1W	16	10	10	100				B126	66260398385
S1A1W	16	10	10	100				B151	66260112480
S1A1W	16	10	10	110				B151	66260399965
S1A1W	18	10	10	100				B151	66260345848
S1A1W	20	10	10	75				B151	66260116060
S1A1W	20	10	10	100				B151	66260115307
S1A1W	25	10	10	90				B151	66260394110
S1A1W	25	10	10	110				B151	60157666519
S1A1W	30	10	10	110				B151	60157666517
S1A1W	30	10	10	120				B151	66260136415
Attention! The following items for jig grinding machines are in inch sizes									
S1A1W	5	7	6,35	60	20			B151	66260136124
S1A1W	5	7	6,35	53				B151	66260372400
S1A1W	6	7	6,35	60				B151	66260371725
S1A1W	10	10	9,52	105				B126	66260129630
S1A1W	18	10	9,52	80				B252	66260111912
S1A1W	20	5	9,52	105				B151	66260113472
S1A1W	20	5	9,52	115				B126	66260372700
<p>Items in heavy print are available ex stock. For all others the minimum ordering quantity is 5 pieces.</p>									

Grinding wheels in electroplated metal bond

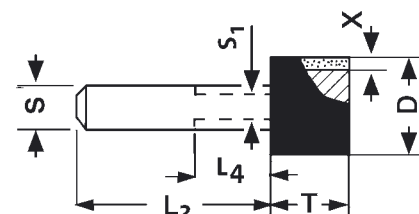


S1A1

Shape	D	T	S	L	L ₄	DIAMOND grit size	Order No.	CBN grit size	Order No.
S1A1	20	5	6			D126	60157643330	B126	60157643241
S1A1	20	5	6			D181	60157642947	B151	60157683450
S1A1	20	15	10					B252	60157672553
S1A1	25	6	6					B151	60157642966
S1A1	25	8	6			D126	60157642863	B126	60157682073
S1A1	25	8	6			D181	60157676371	B126	60157642806
S1A1	25	8	10					B151	60157642890
S1A1	25	10	10						
S1A1	30	8	6						
S1A1	30	8	6						
S1A1	30	8	6			D181	60157642603		

Items in heavy print are available ex stock.
For all others the minimum ordering quantity is 5 pieces.

Grinding pins in sintered metal bond



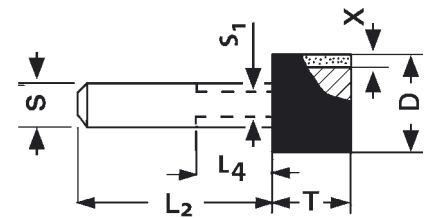
n_{zul}: siehe Seite 7, L_{3 min} = 10 mm

...BZ1A1W

Shape	D	T	X	S	L ₂	S ₁	L ₄	DIAMOND Bond BZ351 / Concentration C100			Order No.	
1A1W	3	6	0,75	3	60	1,7	8	-	-	-	D126	66260100307
1A1W	4	6	1	3	60	2,1	8	-	-	D91	-	66260100317
1A1W	5	6	1	3	60	2,9	8	-	-	D91	-	60157644066
1A1W	5	6	1	3	60	2,9	8	-	-	-	D126	60157643774
1A1W	6	6	1	6	60	4,1	8	-	-	-	D126	66260100322
1A1W	8	6	1	6	60			-	-	D91	-	60157644100
1A1W	10	10	1	6	60			-	-	-	D126	60157644096

Items in heavy print are available ex stock.
For all others the minimum ordering quantity is 5 pieces.

Grinding pins in resin bond

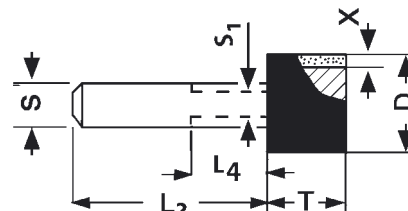


n_{zul} : see page 7, $L_{3min} = 10$ mm

...K1A1W

Shape	D	T	X	S	L ₂	S ₁	L ₄	Grit size	Bond	DIAMOND Concentration	Order No.
System plunge grinding of circular tooth sawblades											
3K1A1W	6	3	1,5	6	42	5,1	10	D76	K-PLUS 921	C125	66260111416
1K1A1W	6,5	3	1,75	6	42	5,1	10	D76	K-PLUS 921	C125	66260133964
8K1A1W	6,5	3	1,75	6	33	4,1	10	D76	K-PLUS 921	C125	66260134445
2K1A1W	7	3	2	6	42	5,1	10	D76	K-PLUS 921	C125	66260133966
2K1A1W	7	3	2	6	42	5,1	10	D91	K-PLUS 921	C125	60157643351
2K1A1W	7	3	2	6	42	5,1	10	D91	K-PLUS 888TY	C150	60157643957
System oscillation grinding of circular tooth sawblades											
K1A1W	6	6	1,5	6	60	3,1	8	D64	K-PLUS 888RY	C125	66260134006
K1A1W	6	6	1,5	6	60	3,1	8	D126	K-PLUS 888RY	C100	66260134009
K1A1W	7	6	2	6	60	3,1	8	D64	K-PLUS 888RY	C125	60157644032
K1A1W	8	6	2	6	60	4,1	8	D64	K-PLUS 888RY	C125	66260134020
K1A1W	8	6	2	6	60	4,1	8	D126	K-PLUS 888RY	C100	66260134023
K1A1W	10	6	2	6	60			D64	K-PLUS 888RY	C125	60157643973
K1A1W	10	6	2	6	60			D126	K-PLUS 888RY	C100	66260134036
K1A1W	12	6	2	6	60			D64	K-PLUS 888RY	C125	66260134081
K1A1W	12	6	2	6	60			D126	K-PLUS 888RY	C100	66260134045
K1A1W	16	6	2	6	60			D64	K-PLUS 888RY	C125	60157643934
K1A1W	16	6	2	6	60			D126	K-PLUS 888RY	C100	66260134059
K1A1W	20	6	2	6	60			D64	K-PLUS 888RY	C125	60157644006
K1A1W	20	6	2	6	60			D126	K-PLUS 888RY	C100	60157644107
The items mentioned above can also be found in our catalogue „Diamond and CBN Tools for Grinding of Tools for Wood and Plastic Machining“.											
<p>Items in heavy print are available ex stock. For all others the minimum ordering quantity is 5 pieces.</p>											

Grinding pins in resin bond



n_{zul} : see page 7, $L_{3min} = 10 \text{ mm}$

...K1A1W

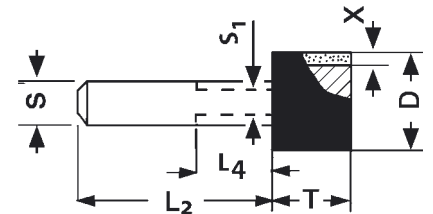
Shape	D	T	X	S	L ₂	S ₁	L ₄	Grit size	Bond	DIAMOND Concentration	Order No.
K1A1W	3	6	0,65	3	60	1,7	8	D126	K-PLUS 888RY	C100	66260133993
K1A1W	3	6	0,65	3	60	1,7	8	D151	K-PLUS 888RY	C100	69014180485
K1A1W	3	6	0,65	3	60	1,7	8	D15A	K-PLUS 777R	C100	66260110573
K1A1W	3	6	0,65	3	60	1,7	8	D15C	K-PLUS 888RY	C100	60157643985
K1A1W	3	6	0,65	3	60	1,7	8	D15C	K-PLUS 921	C125	66260341875
K1A1W	3	6	0,65	3	60	1,7	8	D181	K-PLUS 888RY	C100	66260116817
K1A1W	3	6	0,65	3	60	1,7	8	D25	K-PLUS 888RY	C100	66260112348
K1A1W	3	6	0,65	3	60	1,7	8	D46	K-PLUS 888RY	C100	60157643693
K1A1W	3	6	0,65	3	60	1,7	8	D46	K-PLUS 888RY	C125	66260384364
K1A1W	3	6	0,65	3	60	1,7	8	D64	K-PLUS 888RY	C100	60157644200
K1A1W	3	6	0,65	3	60	1,7	8	D7	K-PLUS 777R	C100	60157644060
K1A1W	3	6	0,65	3	60	1,7	8	D7	K-PLUS 777R	C100	66260111625
K1A1W	3	6	0,65	3	60	1,7	8	D7	K-PLUS 777R	C100	66260113107
K1A1W	3	6	0,65	3	60	1,7	8	D91	K-PLUS 888RY	C100	66260374735
K1A1W	3	6	0,65	3	60	1,7	8	D91	K-PLUS 888RY	C100	66260110217
K1A1W	3,5	5	3	50	-	-	-	D76	K-PLUS 888RY	C100	60157681144
K1A1W	4	6	1,15	3	60	1,7	8	D126	K-PLUS 888RY	C100	66260133998
K1A1W	4	6	1,15	3	60	1,7	8	D15A	K-PLUS 777R	C100	66260111268
K1A1W	4	6	1,15	3	60	1,7	8	D15C	K-PLUS 777R	C100	60157644183
K1A1W	4	6	1,15	3	60	1,7	8	D15C	K-PLUS 888RY	C100	66260100083
K1A1W	4	6	1,15	3	60	1,7	8	D15C	K-PLUS 921	C125	66260337102
K1A1W	4	6	1,15	3	60	1,7	8	D181	K-PLUS 888RY	C100	69014180479
K1A1W	4	6	1,15	3	60	1,7	8	D25	K-PLUS 888RY	C100	66260118091
K1A1W	4	6	1,15	3	60	1,7	8	D46	K-PLUS 888RY	C100	60157644166
K1A1W	4	6	1,15	3	60	1,7	8	D46	K-PLUS 888RY	C125	66260385165
K1A1W	4	6	1,15	3	60	1,7	8	D64	K-PLUS 888RY	C100	60157643874
K1A1W	4	6	1,15	3	60	1,7	8	D64	K-PLUS 920	C125	66260134039
K1A1W	4	6	1,15	3	60	1,7	8	D7	K-PLUS 777R	C100	66260107658
K1A1W	4	6	1,15	3	60	1,7	8	D91	K-PLUS 888RY	C100	60157643582
5K1A1W	5	3	1,5	6	42	-	-	D76	K-PLUS 921	C125	60157643650
K1A1W	5	6	1,5	3	60	2,1	8	D126	K-PLUS 888RY	C100	66260134003
K1A1W	5	6	1,5	3	60	2,1	8	D15B	K-PLUS 777R	C100	69014179875
K1A1W	5	6	1,5	3	60	2,1	8	D15C	K-PLUS 888RY	C100	60157643428
K1A1W	5	6	1,5	3	60	2,1	8	D181	K-PLUS 888RY	C100	69014180480
K1A1W	5	6	1,5	3	60	2,1	8	D25	K-PLUS 888RY	C100	66260111297
K1A1W	5	6	1,5	3	60	2,1	8	D46	K-PLUS 888RY	C100	66260110138
K1A1W	5	6	1,5	3	60	2,1	8	D46	K-PLUS 888RY	C125	66260381867
K1A1W	5	6	1,5	3	60	2,1	8	D64	K-PLUS 888RY	C100	60157643946
K1A1W	5	6	1,5	3	60	2,1	8	D7	K-PLUS 777R	C100	60157644191
K1A1W	5	6	1,5	3	60	2,1	8	D91	K-PLUS 888RY	C100	66260134002
3K1A1W	6	3	1,5	6	42	-	-	D76	K-PLUS 921	C125	66260111416
K1A1W	6	6	1,5	6	60	3	8	D126	K-PLUS 888RY	C100	66260134009
K1A1W	6	6	1,5	6	60	3	8	D15A	K-PLUS 777R	C100	60157644086
K1A1W	6	6	1,5	6	60	3	8	D15C	K-PLUS 777R	C100	66260112519
K1A1W	6	6	1,5	6	60	3	8	D15C	K-PLUS 888RY	C100	66260100095
K1A1W	6	6	1,5	6	60	3	8	D20B	K-PLUS 888RY	C100	66260100358
K1A1W	6	6	1,5	6	60	3	8	D25	K-PLUS 888RY	C100	66260112599
K1A1W	6	6	1,5	6	60	3	8	D46	K-PLUS 888RY	C100	60157643902
K1A1W	6	6	1,5	6	60	3	8	D46	K-PLUS 888RY	C125	66260115201
K1A1W	6	6	1,5	6	60	3	8	D64	K-PLUS 888RY	C100	66260134007
K1A1W	6	6	1,5	6	60	3	8	D64	K-PLUS 888RY	C125	66260134006
K1A1W	6	6	1,5	6	60	3	8	D7	K-PLUS 777R	C100	66260353605

Items in heavy print are available ex stock.

For all others the minimum ordering quantity is 5 pieces.

All items with a drawing no. (like 26K1A1W...) do have a special geomtry - in these case please ask for a drwaing. In any case the grinding head is cylindrical.

Grinding pins in resin bond



n_{zul} : see page 7, $L_{3min} = 10$ mm

...K1A1W

Shape	D	T	X	S	L ₂	S ₁	L ₄	Grit size	Bond	DIAMOND Concentration	Order No.
K1A1W	6	6	1,5	6	60	3	8	D91	K-PLUS 888RY	C100	66260373236
K1A1W	6	6	1,5	6	60	3	8	D91	K-PLUS 888RY	C100	66260110235
K1A1W	6	8	1,5	6	60	3	8	D126	K-PLUS 888RY	C100	66260134012
K1A1W	6	8	1,5	6	60	3	10	D15C	K-PLUS 888RY	C100	66260111740
8K1A1W	6	8	1,5	6	75	3,1	10	D15C	K-PLUS 888RY	C100	60157643224¹⁾
K1A1W	6	8	1,5	6	60	3	10	D181	K-PLUS 888RY	C100	69014180482
K1A1W	6	8	1,5	6	60	3	10	D46	K-PLUS 888RY	C100	60157643976¹⁾
8K1A1W	6	8	1,5	6	75	3,1	10	D46	K-PLUS 888RY	C100	60157644144¹⁾
K1A1W	6	8	1,5	6	60	3	10	D64	K-PLUS 888RY	C100	66260111060
8K1A1W	6	8	1,5	6	75	3,1	10	D7	K-PLUS 777R	C68	66260100311
K1A1W	6	8	1,5	6	60	3	10	D91	K-PLUS 888RY	C100	60157644092
6K1A1W	6,5	3	1,75	6	42	4	10	D76	K-PLUS 888RY	C125	66260111088
1K1A1W	6,5	3	1,75	6	42	5,1	10	D76	K-PLUS 920	C125	66260110241
1K1A1W	6,5	3	1,75	6	42	5,1	10	D76	K-PLUS 921	C125	66260133964
8K1A1W	6,5	3	1,75	6	33	-	-	D76	K-PLUS 921	C125	66260134445¹⁾
2K1A1W	6,5	3	1,75	6	42	3,1	10	D76	K-PLUS 921	C125	66260134718
2K1A1W	6,5	3	1,75	6	42	3,1	10	D91	K-PLUS 888TY	C150	60157643974
1K1A1W	6,5	6	1,75	6	60	3,1	8	D76	K-PLUS 888RY	C100	66260113144
2K1A1W	7	3	2	6	42	-	-	D76	K-PLUS 921	C125	66260110240
2K1A1W	7	3	2	6	42	-	-	D76	K-PLUS 921	C125	66260133966
2K1A1W	7	3	2	6	42	-	-	D91	K-PLUS 888TY	C150	60157643957
2K1A1W	7	3	2	6	42	-	-	D91	K-PLUS 920	C125	60157644164
2K1A1W	7	3	2	6	42	-	-	D91	K-PLUS 921	C125	60157643351
K1A1W	7	6	2	6	60	3,1	8	D126	K-PLUS 888RY	C100	66260113106
K1A1W	7	6	2	6	60	3,1	8	D15C	K-PLUS 888RY	C50	66260379226
K1A1W	7	6	2	6	60	3,1	8	D25	K-PLUS 888RY	C100	66260397669
K1A1W	7	6	2	6	60	3,1	8	D46	K-PLUS 888RY	C100	66260111125
K1A1W	7	6	2	6	60	3,1	8	D46	K-PLUS 888RY	C125	66260110463
K1A1W	7	6	2	6	60	3,1	8	D64	K-PLUS 888RY	C100	66260134014
K1A1W	7	6	2	6	60	3,1	8	D64	K-PLUS 888RY	C125	60157644032
K1A1W	7	6	2	6	60	3,1	8	D7	K-PLUS 777R	C100	66260129368
K1A1W	7	6	2	6	60	3,1	8	D91	K-PLUS 888RY	C100	66260134015
K1A1W	7	6	2	6	60	3,1	8	D91	K-PLUS 888TY	C125	66260117576
K1A1W	7	6	2	6	60	3,1	8	D91	K-PLUS 888TY	C150	66260134654
K1A1W	7	8	2	6	60	3	10	D126	K-PLUS 888RY	C100	66260113701
K1A1W	7	8	2	6	60	3	10	D15C	K-PLUS 888RY	C100	66260110885
K1A1W	7	8	2	6	60	3	10	D46	K-PLUS 888RY	C100	60157643998
K1A1W	7	8	2	6	60	3	10	D91	K-PLUS 888RY	C100	66260112267
K1A1W	8	6	2	6	60	4,1	8	D126	K-PLUS 888RY	C100	66260134023
K1A1W	8	6	2	6	60	4,1	8	D151	K-PLUS 888RY	C100	66260118569
K1A1W	8	6	2	6	60	4,1	8	D15A	K-PLUS 777R	C100	66260111075
K1A1W	8	6	2	6	60	4,1	8	D15C	K-PLUS 777R	C100	66260113302
K1A1W	8	6	2	6	60	4,1	8	D15C	K-PLUS 888RY	C100	60157643754
K1A1W	8	6	2	6	60	4,1	8	D181	K-PLUS 888RY	C100	66260378133
K1A1W	8	6	2	6	60	4,1	8	D46	K-PLUS 888RY	C100	60157643962
K1A1W	8	6	2	6	60	4,1	8	D64	K-PLUS 888RY	C100	60157644087
K1A1W	8	6	2	6	60	4,1	8	D64	K-PLUS 888RY	C125	66260134020
K1A1W	8	6	2	6	60	4,1	8	D7	K-PLUS 777J	C100	66260114026
K1A1W	8	6	2	6	60	4,1	8	D7	K-PLUS 777R	C100	66260390214
K1A1W	8	6	2	6	60	4,1	8	D7	K-PLUS 777R	C100	66260398824
K1A1W	8	6	2	6	60	4,1	8	D91	K-PLUS 888RY	C100	66260134022
K1A1W	8	10	2	6	60	4,1	12	D126	K-PLUS 888RY	C100	66260134028

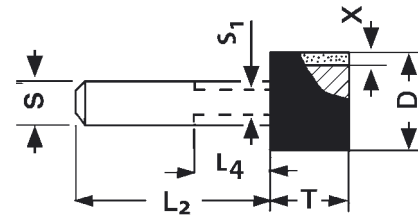
¹⁾ coated 2.5 mm on the face

Items in heavy print are available ex stock.

For all others the minimum ordering quantity is 5 pieces.

All items with a drawing no. (like 26K1A1W...) do have a special geometry - in these case please ask for a drawing. In any case the grinding head is cylindrical.

Grinding pins in resin bond



n_{zul} : see page 7, $L_{3min} = 10$ mm

...K1A1W

Shape	D	T	X	S	L ₂	S ₁	L ₄	Grit size	Bond	DIAMOND Concentration	Order No.
K1A1W	8	10	2	6	60	4,1	12	D15C	K-PLUS 888RY	C100	60157644127
K1A1W	8	10	2	6	60	4,1	12	D181	K-PLUS 888RY	C100	69014180478
18K1A1W	8	10	2	6	75	4,1	12	D46	K-PLUS 888RY	C100	66260100352
K1A1W	8	10	2	6	60	4,1	12	D46	K-PLUS 888RY	C100	66260134026
K1A1W	8	10	2	6	60	4,1	12	D64	K-PLUS 888RY	C100	66260132549
K1A1W	8	10	2	6	60	4,1	12	D7	K-PLUS 777R	C100	60157643509
K1A1W	8	10	2	6	60	4,1	12	D91	K-PLUS 888RY	C100	60157643551
K1A1W	9	6	2	6	60			D126	K-PLUS 888RY	C100	60157643324
K1A1W	9	6	2	6	60			D64	K-PLUS 888RY	C125	60157644192
K1A1W	9	6	2	6	60	5,1	8	D91	K-PLUS 888RY	C100	66260113150
K1A1W	10	6	2	6	60			D126	K-PLUS 888RY	C100	66260134036
K1A1W	10	6	2	6	60			D15A	K-PLUS 777R	C100	66260111901
K1A1W	10	6	2	6	60			D15A	K-PLUS 777R	C100	66260113840
K1A1W	10	6	2	6	60			D15C	K-PLUS 888RY	C100	60157644157
K1A1W	10	6	2	6	60			D181	K-PLUS 888RY	C100	66260114991
K1A1W	10	6	2	6	60			D20B	K-PLUS 888RY	C100	66260110454
K1A1W	10	6	2	6	60			D25	K-PLUS 888RY	C100	69014171088
K1A1W	10	6	2	6	60			D46	K-PLUS 888RY	C100	66260100065
K1A1W	10	6	2	6	60			D64	K-PLUS 888RY	C100	60157643781
K1A1W	10	6	2	6	60			D64	K-PLUS 888RY	C125	60157643973
K1A1W	10	6	2	6	60			D7	K-PLUS 730	C100	66260356486
K1A1W	10	6	2	6	60			D7	K-PLUS 777R	C100	66260110711
K1A1W	10	6	2	6	60			D7	K-PLUS 777R	C100	66260368036
K1A1W	10	6	2	6	60			D91	K-PLUS 888RY	C100	60157644098
K1A1W	10	10	2	6	60			D126	K-PLUS 888RY	C100	66260116099
K1A1W	10	10	2	6	60			D126	K-PLUS 888RY	C100	66260137680
K1A1W	10	10	2	6	60			D126	K-PLUS 888RY	C100	66260134040
K1A1W	10	10	2	6	60			D15A	K-PLUS 777R	C100	66260112776
K1A1W	10	10	2	6	60			D15C	K-PLUS 888RY	C100	66260110355
22K1A1W	10	10	2	6	75			D15C	K-PLUS 888RY	C100	66260110521¹⁾
K1A1W	10	10	2	6	60			D181	K-PLUS 888RY	C100	69014180477
K1A1W	10	10	2	6	60			D46	K-PLUS 1414J	C100	66260348655
22K1A1W	10	10	2	6	75			D46	K-PLUS 888RY	C100	60157644085¹⁾
K1A1W	10	10	2	6	60			D46	K-PLUS 888RY	C100	66260134038
K1A1W	10	10	2	6	60			D64	K-PLUS 888RY	C100	66260111299
K1A1W	10	10	2	6	60			D7	K-PLUS 777R	C100	66260370007
22K1A1W	10	10	2	6	75			D7	K-PLUS 777R	C68	60157643977¹⁾
K1A1W	10	10	2	6	60			D91	K-PLUS 888RY	C100	60157643854
K1A1W	12	6	2	6	60			D126	K-PLUS 888RY	C100	66260134045
K1A1W	12	6	2	6	60			D15A	K-PLUS 777R	C100	66260118258
K1A1W	12	6	2	6	60			D15C	K-PLUS 777R	C100	66260114190
K1A1W	12	6	2	6	60			D15C	K-PLUS 888RY	C100	66260100295
K1A1W	12	6	2	6	60			D181	K-PLUS 888RY	C100	66260119486
K1A1W	12	6	2	6	60			D20B	K-PLUS 888RY	C100	66260100096
K1A1W	12	6	2	6	60			D46	K-PLUS 888RY	C100	60157644002
K1A1W	12	6	2	6	60			D64	K-PLUS 888RY	C100	60157643710
K1A1W	12	6	2	6	60			D64	K-PLUS 888RY	C125	66260134081
K1A1W	12	6	2	6	60			D7	K-PLUS 888F	C100	66260390298
K1A1W	12	6	2	6	60			D91	K-PLUS 888RY	C100	66260100327
K1A1W	12	12	2	6	60			D126	K-PLUS 888RY	C100	66260100092
K1A1W	12	12	2	6	60			D151	K-PLUS 888RY	C100	60157686395
K1A1W	12	12	2	6	60			D15C	K-PLUS 888RY	C100	60157643699

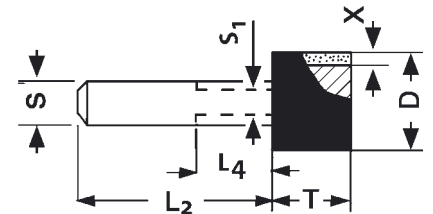
¹⁾ coated 2,5 mm on the face

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Grinding pins in resin bond



n_{zul} : see page 7, $L_{3min} = 10 \text{ mm}$

...K1A1W

Shape	D	T	X	S	L ₂	S ₁	L ₄	Grit size	Bond	DIAMOND Concentration	Order No.
20K1A1W	12	12	2	6	70			D15C	K-PLUS 888RY	C100	66260110836¹⁾
K1A1W	12	12	2	6	60			D46	K-PLUS 888RY	C100	66260112466
K1A1W	12	12	2	6	60			D64	K-PLUS 888RY	C100	60157644076
K1A1W	12	12	2	6	60			D91	K-PLUS 888RY	C100	60157643784
K1A1W	14	6	2	6	60			D126	K-PLUS 888RY	C100	66260114956
K1A1W	14	6	2	6	60			D15A	K-PLUS 777R	C100	66260111002
K1A1W	14	6	2	6	60			D15C	K-PLUS 777R	C100	66260113402
K1A1W	14	6	2	6	60			D46	K-PLUS 888RY	C100	60157643424
K1A1W	14	6	2	6	60			D64	K-PLUS 888RY	C100	60157644132
K1A1W	14	6	2	6	60			D7	K-PLUS 777R	C100	69014166926
K1A1W	14	6	2	6	60			D91	K-PLUS 888RY	C100	60157643712
K1A1W	15	6	2	6	60			D126	K-PLUS 888RY	C100	66260134054
K1A1W	15	6	2	6	60			D15C	K-PLUS 888RY	C100	60157644073
K1A1W	15	6	2	6	60			D20B	K-PLUS 888RY	C100	66260112237
K1A1W	15	6	2	6	60			D25	K-PLUS 888RY	C100	66260137607
K1A1W	15	6	2	6	60			D46	K-PLUS 888RY	C100	60157643881
K1A1W	15	6	2	6	60			D64	K-PLUS 888RY	C100	66260129263
K1A1W	15	6	2	6	60			D7	K-PLUS 777R	C100	66260128665
K1A1W	15	6	2	6	60			D91	K-PLUS 888RY	C100	66260116173
K1A1W	15	15	2	6	60			D126	K-PLUS 888RY	C100	66260107656
K1A1W	15	15	2	6	60			D15C	K-PLUS 888RY	C100	66260117219
K1A1W	15	15	2	6	60			D46	K-PLUS 888RY	C100	66260112037
K1A1W	15	15	2	6	60			D64	K-PLUS 888RY	C100	66260384476
K1A1W	15	15	2	6	60			D91	K-PLUS 888RY	C100	60157643970
K1A1W	16	6	2	6	60			D126	K-PLUS 888RY	C100	66260134059
K1A1W	16	6	2	6	60			D15A	K-PLUS 777R	C100	66260100377
K1A1W	16	6	2	6	60			D15C	K-PLUS 888RY	C100	66260100075
K1A1W	16	6	2	6	60			D46	K-PLUS 888RY	C100	66260110126
K1A1W	16	6	2	6	60			D64	K-PLUS 888RY	C100	60157643934
K1A1W	18	6	2	6	60			D126	K-PLUS 888RY	C100	66260127657
K1A1W	18	6	2	6	60			D15C	K-PLUS 888RY	C100	66260399354
K1A1W	18	6	2	6	60			D46	K-PLUS 888RY	C100	66260112438
K1A1W	18	6	2	6	60			D64	K-PLUS 888RY	C100	60157643983
K1A1W	18	6	2	6	60			D91	K-PLUS 888RY	C100	60157644018
K1A1W	20	6	2	6	60			D126	K-PLUS 888RY	C100	60157644107
K1A1W	20	6	2	6	60			D15C	K-PLUS 888RY	C100	66260113017
K1A1W	20	6	2	6	60			D20B	K-PLUS 888RY	C100	66260114065
K1A1W	20	6	2	6	60			D46	K-PLUS 888RY	C100	66260111488
K1A1W	20	6	2	6	60			D64	K-PLUS 888RY	C100	60157644006
K1A1W	20	6	2	6	60			D7	K-PLUS 777R	C100	66260356339
K1A1W	20	6	2	6	60			D7	K-PLUS 777R	C100	66260390414
K1A1W	20	6	2	6	60			D91	K-PLUS 888RY	C100	66260134061
K1A1W	24	6	2	6	60			D126	K-PLUS 888RY	C100	66260112903
K1A1W	24	6	2	6	60			D46	K-PLUS 888RY	C100	66260132795
K1A1W	24	6	2	6	60			D64	K-PLUS 888RY	C100	60157644047
K1A1W	24	6	2	6	60			D91	K-PLUS 888R	C100	66260110161
K1A1W	24	6	2	6	60			D91	K-PLUS 888RY	C100	66260130960

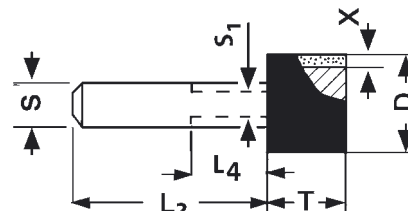
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¹⁾ coated 2.5 mm on the face

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Grinding pins in resin bond



n_{zul} : see page 7, $L_{3min} = 10 \text{ mm}$

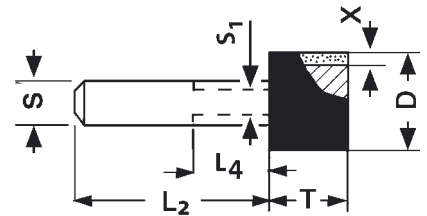
...K1A1W

Shape	D	T	X	S	L ₂	S ₁	L ₄	Grit size	Bond	CBN Concentration	Order No.
K1A1W	3	6	0,65	3	60	1,8	8	B126	KSS RY	V240	66260134724
K1A1W	3	6	0,65	3	60	1,8	8	B15	KSS RY	V240	66260370927
K1A1W	3	6	0,65	3	60	1,8	8	B151	KSS RY	V240	60157643832
K1A1W	3	6	0,65	3	60	1,8	8	B15C	KSS RY	V240	66260348299
K1A1W	3	6	0,65	3	60	1,8	8	B46	KSS RY	V240	66260385250
K1A1W	3	6	0,65	3	60	1,8	8	B91	KSS RY	V240	60157643654
K1A1W	4	6	1,15	3	60	1,8	8	B126	KSS RY	V240	66260134735
K1A1W	4	6	1,15	3	60	1,8	8	B15	KSS RY	V120 E	69014195396
K1A1W	4	6	1,15	3	60	1,8	8	B15	KSS RY	V240	66260131515
K1A1W	4	6	1,15	3	60	1,8	8	B15	KSS RY	V240	66260380989
K1A1W	4	6	1,15	3	60	1,8	8	B151	KSS RY	V240	66260134733
K1A1W	4	6	1,15	3	60	1,8	8	B46	KSS RY	V240	66260100312
K1A1W	4	6	1,15	3	60	1,8	8	B54	KSS RY	V240	69014163589
K1A1W	4	6	1,15	3	60	1,8	8	B64	KSS RY	V240	69014175755
K1A1W	4	6	1,15	3	60	1,8	8	B91	KSS RY	V240	66260134738
K1A1W	4	10	1,15	4	90	1,8	8	B126	KSS RY	V240	66260379969
K1A1W	5	6	1,5	3	60	2,1	8	B126	KSS RY	V240	66260134743
K1A1W	5	6	1,5	3	60	2,1	8	B15	KSS RY	V120	66260371931
K1A1W	5	6	1,5	3	60	2,1	8	B151	KSS RY	V240	60157643876
K1A1W	5	6	1,5	3	60	2,1	8	B46	KSS RY	V240	66260110566
K1A1W	5	6	1,5	3	60	2,1	8	B64	KSS RY	V240	69014169356
K1A1W	5	6	1,5	3	60	2,1	8	B91	KSS RY	V240	66260134750
K1A1W	6	6	1,5	6	60	3,1	8	B126	KSS RY	V240	66260115299
K1A1W	6	6	1,5	6	60	3,1	8	B126	KSS RY	V240	66260349720
K1A1W	6	6	1,5	6	60	3,1	8	B126	KSS RY	V240	66260133969
K1A1W	6	6	1,5	6	60	3,1	8	B15	KSS RY	V240	66260130317
K1A1W	6	6	1,5	6	60	3,1	8	B151	KSS RY	V240	60157643991
K1A1W	6	6	1,5	6	60	3,1	8	B181	KSS RY	V240	66260130672
K1A1W	6	6	1,5	6	60	3,1	8	B30	KSS 10R	V180	66260371382
K1A1W	6	6	1,5	6	60	3,1	8	B46	KSS 10R	V180	66260370283
K1A1W	6	6	1,5	6	60	3,1	8	B46	KSS RY	V240	66260112001
K1A1W	6	6	1,5	6	60	3,1	8	B64	KSS RY	V240	69014159357
K1A1W	6	6	1,5	6	60	3,1	8	B91	KSS RY	V240	66260133970
K1A1W	6	8	1,5	6	60	3	10	B126	KSS RY	V240	66260134754
K1A1W	6	8	1,5	6	60	3	10	B15	KSS RY	V120	66260372130
K1A1W	6	8	1,5	6	60	3	10	B151	KSS RY	V240	66260399608
K1A1W	6	8	1,5	6	60	3	10	B46	KSS RY	V240	66260374891
K1A1W	6	8	1,5	6	60	3	10	B91	KSS RY	V240	66260134756
K1A1W	7	6	2	6	60	3	8	B126	KSS RY	V240	66260133906
K1A1W	7	6	2	6	60	3	8	B151	KSS RY	V240	66260130695
K1A1W	7	6	2	6	60	3	8	B91	KSS RY	V240	66260112536
K1A1W	7	8	2	6	60	3	10	B126	KSS RY	V240	60157643873
K1A1W	7	8	2	6	60	3	10	B151	KSS RY	V240	66260127496
K1A1W	7	8	2	6	60	3	10	B91	KSS RY	V240	66260113698
K1A1W	8	6	2	6	60	4	8	B126	KSS RY	V240	66260116821
K1A1W	8	6	2	6	60	4	8	B126	KSS RY	V240	66260133918
K1A1W	8	6	2	6	60	4	8	B15	KSS RY	V240	66260128118
K1A1W	8	6	2	6	60	4	8	B151	KSS RY	V240	66260112251
K1A1W	8	6	2	6	60	4	8	B181	KSS RY	V240	60157677940
K1A1W	8	6	2	6	60	4	8	B181	KSS RY	V240	69014166620
K1A1W	8	6	2	6	60	4	8	B46	KSS RY	V240	66260111317

Items in heavy print are available ex stock.

For all others the minimum ordering quantity is 5 pieces.

Grinding pins in resin bond



n_{zul} : see page 7, $L_{3min} = 10 \text{ mm}$

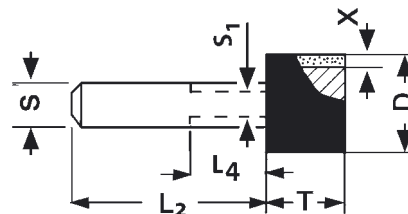
...K1A1W

Shape	D	T	X	S	L ₂	S ₁	L ₄	Grit size	Bond	CBN Concentration	Order No.
K1A1W	8	6	2	6	60	4	8	B64	KSS RY	V240	66260394479
K1A1W	8	6	2	6	60	4	8	B91	KSS RY	V240	60157643512
K1A1W	8	6	2	6	60	4	8	B91	KSS RY	V240	66260134097
K1A1W	8	10	2	6	60	4	12	B126	KSS RY	V240	66260133924
K1A1W	8	10	2	6	60	4	12	B151	KSS RY	V240	66260131795
K1A1W	8	10	2	6	60	4	12	B15C	KSS RY	V240	66260132670
K1A1W	8	10	2	6	60	4	12	B46	KSS RY	V240	66260110965
K1A1W	8	10	2	6	60	4	12	B91	KSS RY	V240	60157644204
K1A1W	9	6	2	6	60	5	8	B126	KSS RY	V240	60157643898
K1A1W	9	6	2	6	60			B91	KSS RY	V240	66260110550
K1A1W	10	6	2	6	60			B126	KSS RY	V240	66260133971
K1A1W	10	6	2	6	60			B15	KSS RY	V240	66260128619
K1A1W	10	6	2	6	60			B151	KSS RY	V240	60157644165
K1A1W	10	6	2	6	60			B181	KSS RY	V240	60157677938
K1A1W	10	6	2	6	60			B46	KSS RY	V240	66260113649
K1A1W	10	6	2	6	60			B64	KSS RY	V240	69014159081
K1A1W	10	6	2	6	60			B91	KSS RY	V240	66260134124
K1A1W	10	10	2	6	60			B126	KSS RY	V240	66260136011
K1A1W	10	10	2	6	60			B126	KSS RY	V240	66260133936
K1A1W	10	10	2	6	60			B15	KSS RY	V120	66260364529
K1A1W	10	10	2	6	60			B151	KSS RY	V240	60157643956
K1A1W	10	10	2	6	60			B181	KSS RY	V180	66260349310
K1A1W	10	10	2	6	60			B46	KSS RY	V240	66260111467
K1A1W	10	10	2	6	60			B91	KSS RY	V240	66260110354
K1A1W	12	6	2	6	60			B126	KSS RY	V240	60157643978
K1A1W	12	6	2	6	60			B15	KSS RY	V240	66260119620
K1A1W	12	6	2	6	60			B151	KSS RY	V240	60157644137
K1A1W	12	6	2	6	60			B181	KSS RY	V240	60157677941
K1A1W	12	6	2	6	60			B46	KSS RY	V240	66260117323
K1A1W	12	6	2	6	60			B64	KSS RY	V240	69014168716
K1A1W	12	6	2	6	60			B91	KSS RY	V240	66260132038
K1A1W	12	12	2	6	60			B126	KSS RY	V240	66260133954
K1A1W	12	12	2	6	60			B151	KSS RY	V240	60157643750
K1A1W	12	12	2	6	60			B46	KSS RY	V240	66260139207
K1A1W	12	12	2	6	60			B91	KSS RY	V240	66260111521
K1A1W	14	6	2	6	60			B126	KSS RY	V240	66260134098
K1A1W	14	6	2	6	60			B151	KSS RY	V240	66260111259
K1A1W	14	6	2	6	60			B91	KSS RY	V240	66260111363
K1A1W	15	6	2	6	60			B126	KSS RY	V240	66260133963
K1A1W	15	6	2	6	60			B15	KSS RY	V240	66260130121
K1A1W	15	6	2	6	60			B151	KSS RY	V240	69014170442
K1A1W	15	6	2	6	60			B252	KSS RY	V240	66260391824
K1A1W	15	6	2	6	60			B46	KSS RY	V240	66260131588
K1A1W	15	6	2	6	60			B91	KSS RY	V240	66260111995

All items with a drawing no. (like 26K1A1W...) do have a special geomtry - in these case please ask for a drwaing. In any case the grinding head is cylindrical.

Items in heavy print are available ex stock.
For all others the minimum ordering quantity is 5 pieces.

Grinding pins in resin bond



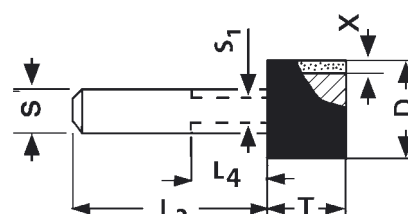
n_{zul} : see page 7, $L_{3min} = 10 \text{ mm}$

...K1A1W

Shape	D	T	X	S	L ₂	S ₁	L ₄	Grit size	Bond	CBN Concentration	Order No.
K1A1W	15	15	2	6	60			B126	KSS RY	V240	66260134137
K1A1W	15	15	2	6	60			B151	KSS RY	V240	66260112222
K1A1W	15	15	2	6	60			B91	KSS RY	V240	66260349781
K1A1W	16	6	2	6	60			B126	KSS RY	V240	60157644185
K1A1W	16	6	2	6	60			B91	KSS RY	V240	66260111741
K1A1W	18	6	2	6	60			B126	KSS RY	V240	66260100280
K1A1W	18	6	2	6	60			B151	KSS RY	V240	66260127578
K1A1W	20	6	2	6	60			B126	KSS RY	V240	60157644104
K1A1W	20	6	2	6	60			B15	KSS RY	V240	66260129022
K1A1W	20	6	2	6	60			B151	KSS RY	V240	66260113457
K1A1W	20	6	2	6	60			B46	KSS RY	V240	66260131889
K1A1W	24	6	2	6	60			B126	KSS RY	V240	66260100337
K1A1W	24	6	2	6	60			B151	KSS RY	V240	66260112422
K1A1W	24	6	2	6	60			B91	KSS RY	V240	66260110755

Items in heavy print are available ex stock.
For all others the minimum ordering quantity is 5 pieces.

Grinding pins in resin bond



n_{zul} : see page 7, $L_{3min} = 10 \text{ mm}$

...K1A1W

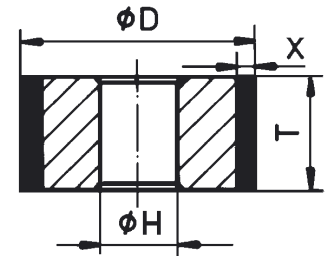
Shape	D	T	X	S	L ₂	S ₁	L ₄	Grit size	Bond	CBN Concentration	Order No.
System oscillation grinding of circular tooth sawblades											
K1A1W	6	6	1,5	6	60	3,1	8	B126	KSS RY	V240	66260133969
K1A1W	8	6	2	6	60	4,1	8	B126	KSS RY	V240	66260133918
K1A1W	10	6	2	6	60			B126	KSS RY	V240	66260133971
K1A1W	12	6	2	6	60			B126	KSS RY	V240	60157643978

Items in heavy print are available ex stock.
For all others the minimum ordering quantity is 5 pieces.

The items mentioned above can also be found in our catalogue „Diamond and CBN Tools for Grinding of Tools for Wood and Plastic Machining“.

All items with a drawing no. (like 26K1A1W...) do have a special geomtry - in these case please ask for a drwaing. In any case the grinding head is cylindrical.

Grinding wheels in resin bond

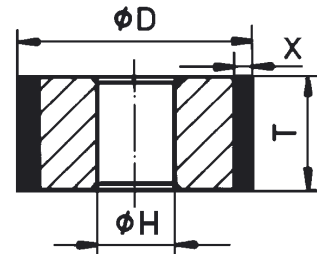


...K1A1W

Shape	D	T	X	H	Grit size	Bond	DIAMOND Concentration	Order No.
1K1A1	15	6	2	8	D126	K-PLUS 888NY	C75 E	66260129244
K1A1	15	10	2	6	D91	K-PLUS 888RY	C100 E	66260110384
K1A1	18	6	2	6	D91	K-PLUS 888RY	C100 E	66260127831
K1A1	20	6	4	8	D126	K-PLUS 888R	C100 E	66260110894
K1A1	20	6	4	8	D46	K-PLUS 888R	C100 E	66260111038
K1A1	20	6	4	8	D15C	K-PLUS 777R	C100 E	66260110637
K1A1	20	8	4	6	D151	K-PLUS 8821NY	C100 E	66260132630
K1A1	20	10	2	8	D91	K-PLUS 888RY	C100 E	66260110270
K1A1	20	10	2	6	D126	K-PLUS 888RY	C100 E	66260396441
K1A1	20	10	2	8	D126	K-PLUS 888NY	C75 E	66260313298
K1A1	25	4	4	8	D126	K-PLUS 888RY	C100 E	66260128899
K1A1	25	6	4	8	D46	K-PLUS 888R	C100 E	66260111357
K1A1	25	6	4	8	D15C	K-PLUS 777R	C100 E	66260110306
K1A1	25	6	4	8	D126	K-PLUS 888RY	C100 E	66260110787
K1A1	25	8	4	10	D126	K-PLUS 888NY	C75 E	66260391943
K1A1	25	10	2	10	D126	K-PLUS 888RY	C75 E	66260135918
K1A1	25	10	2	10	D46	K-PLUS 888RY	C100 E	66260112455
K1A1	25	10	4	8	D151	K-PLUS 888RY	C100 E	66260397538
1K1A1	25	14	2	10	D64	K-PLUS 888N	C100 E	66260398574
K1A1	30	8	4	13	D46	K-PLUS 888R	C100 E	66260107176
K1A1	30	8	4	13	D126	K-PLUS 888R	C100 E	66260111176
K1A1	30	8	2	8	D91	K-PLUS 888RY	C100 E	66260115409
K1A1	30	10	4	13	D126	K-PLUS 888R	C100 E	66260355279
K1A1	30	10	4	13	D46	K-PLUS 888R	C100 E	66260129323
K1A1	30	10	2	10	D126	K-PLUS 888RY	C100 A	66260112177
1K1A1	40	3	8	6	D46	K-PLUS 777R	C75 E	66260111235
K1A1	40	4	4	12,7	D91	K-PLUS 1414R	C100 A	66260110171
K1A1	40	4	2	12	D91	K-PLUS 888R	C50 A	66260111187
K1A1	40	8	2	8	D91	K-PLUS 888RY	C100 A	66260347069
K1A1	40	8	3	13	D181	K-PLUS 1414N	C100 A	66260130223
K1A1	40	10	4	20	D126	K-PLUS 888R	C100 A	66260110611
K1A1	40	10	4	20	D46	K-PLUS 888R	C100 A	66260110980
K1A1	40	10	2	10	D126	K-PLUS 1313NY	C75 A	66260130055
K1A1	40	10	4	20	D15C	K-PLUS 777R	C100 A	66260111138
1K1A1	50	4	3	10	D64	K-PLUS 920	C75 A	60157643233
K1A1	50	6	3	10	D126	K-PLUS 888N	C100 A	66260110557
K1A1	50	8	2	8	D91	K-PLUS 888RY	C100 A	66260116684
K1A1	50	8	4	20	D46	K-PLUS 888R	C100 A	66260107655
K1A1	50	8	4	20	D151	K-PLUS 888R	C75 A	66260119145
K1A1	50	10	4	20	D126	K-PLUS 1414N	C100	66260128317
1K1A1	50	12	4	20	D126	K-PLUS 888RY	C75 A	66260112498

Items in heavy print are available ex stock.
For all others the minimum ordering quantity is 5 pieces.

Grinding wheels in resin bond

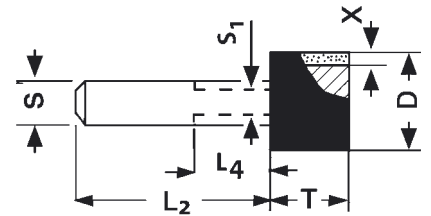


...K1A1W

Shape	D	T	X	H	Grit size	Bond	CBN Concentration	Order No.
1A1	10	10	1,5	6	B126	KR 192	V18	66260339096
K1A1	10	10	2	4	B126	KSS RY	V180 E	66260136508
K1A1	12	10	2	6	B126	KSS RY	V180 E	66260135986
K1A1	15	10	2	6	B126	KSS RY	V180 E	66260135985
K1A1	15	10	2	6	B126	KSS RY	V240 E	60157643426
K1A1	16	10	2	6	B126	KSS RY	V180 E	60157643200
K1A1	18	10	2	6	B126	KSS RY	V180 E	66260136448
K1A1	18	10	2	8	B126	KSS RY	V180 E	66260136448
K1A1	20	10	2	6	B126	KSS RY	V180 E	60157643050
K1A1	20	10	2	8	B126	KSS RY	V180 E	66260136444
K1A1	20	15	2	8	B126	KSS RY	V180 E	66260135984
1K1A1	20	20	2	10	B151	KSS RY-63	V180 E	66260112758
K1A1	25	10	2	8	B126	KSS RY	V180 E	66260134811
K1A1	25	10	2	10	B126	KSS RY	V180 E	66260136145
K1A1	25	15	2	8	B126	KSS RY	V180 E	66260134883
K1A1	30	10	2	8	B151	KSS RY	V180 E	66260111202
K1A1	30	10	2	10	B126	KSS RY	V180 E	66260136445
K1A1	30	15	2	10	B126	KSS RY	V180 E	66260135983
K1A1	32	15	2	10	B151	KSS RY	V180 E	66260111225
1A1	35	15	2	16	B126	KR 192	V18	66260339627
K1A1	38	20	2	15	B126	KSS RY	V180 E	60157643307
K1A1	40	10	2	10	B126	KSS RY	V180 A	66260111126
K1A1	40	15	2	10	B126	KSS NY	V240 A	66260110835
2K1A1	50	6	6	20	B76	KSS RY	V300 A	66260111842
K1A1	50	10	2	20	B126	KSS RY	V180 A	66260134895
1A1	50	15	2	20	B126	KR 192	V18	66260339630
K1A1	60	6	10	20	B76	KSS RY	V300 A	66260128509
K1A1	60	15	2	20	B126	KSS RY	V180 A	60157642780
K1A1	100	10	2	20	B126	KSS RY	V180 H	66260136247
K1A1	125	10	2	20	B126	KSS 10N	V120 H	66260134925

Items in heavy print are available ex stock.
For all others the minimum ordering quantity is 2 pieces.

Grinding pins in vitrified bond



n_{zul} : see page 7, $L_{3\min} = 10\text{ mm}$

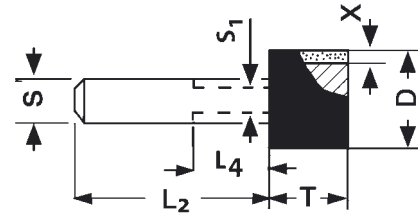
VG 1A1W

Shape	D	T	X	S	L ₂	S ₁	L ₄	Grit size	Bond	CBN Concentration	Order No.
VG 1A1W	4	6	1,1	3	60	2,5	8	B64	VSS 2846 G5AZ	V240E	66260387349
VG 1A1W	4	6	1,1	3	60	2,5	8	B91	VSS 2846 G5AZ	V240E	66260393472
VG 1A1W	4	6	1,1	3	60	2,5	8	B126	C5VD1	V36	66260394236
VG 1A1W	4,5	6	1,1	3	60	2,5	8	B64	VSS 2846 G5AZ	V240E	66260399655
VG 1A1W	4,5	6	1,1	3	60	2,5	8	B91	VSS 2846 G5AZ	V240E	69014159673
VG 1A1W	4,5	6	1,1	3	60	2,5	8	B126	C5VD1	V36	66260396037
VG 1A1W	5	6	1,5	3	60	2,5	8	B64	VSS 2846 G5AZ	V240E	66260398856
VG 1A1W	5	6	1,5	3	60	2,5	8	B91	VSS 2846 G5AZ	V240E	66260397474
VG 1A1W	5	6	1,5	3	60	2,5	8	B126	C5VD1	V36	66260392338
VG 1A1W	5,5	6	1,5	6	60	3,0	8	B64	VSS 2846 G5AZ	V240E	66260395257
VG 1A1W	5,5	6	1,5	6	60	3,0	8	B91	VSS 2846 G5AZ	V240E	69014160575
VG 1A1W	5,5	6	1,5	6	60	3,0	8	B126	C5VD1	V36	66260388639
VG 1A1W	6	6	1,5	6	60	3,5	8	B64	VSS 2846 G5AZ	V240E	66260391458
VG 1A1W	6	6	1,5	6	60	3,5	8	B91	VSS 2846 G5AZ	V240E	66260397676
VG 1A1W	6	6	1,5	6	60	3,5	8	B126	C5VD1	V36	66260392340
VG 1A1W	6,5	6	1,5	6	60	4,0	8	B64	VSS 2846 G5AZ	V240E	66260394659
VG 1A1W	6,5	6	1,5	6	60	4,0	8	B91	VSS 2846 G5AZ	V240E	66260388878
VG 1A1W	6,5	6	1,5	6	60	4,0	8	B126	C5VD1	V36	69014158541
VG 1A1W	7	6	2,0	6	60	3,5	8	B64	VSS 2846 G5AZ	V240E	66260398560
VG 1A1W	7	6	2,0	6	60	3,5	8	B91	VSS 2846 G5AZ	V240E	66260388279
VG 1A1W	7	6	2,0	6	60	3,5	8	B126	C5VD1	V36	66260399742
VG 1A1W	7,5	6	2,0	6	60	4,0	8	B64	VSS 2846 G5AZ	V240E	69014159661
VG 1A1W	7,5	6	2,0	6	60	4,0	8	B91	VSS 2846 G5AZ	V240E	66260393680
VG 1A1W	7,5	6	2,0	6	60	4,0	8	B126	C5VD1	V36	69014158243
VG 1A1W	8	6	2,0	6	60	4,5	8	B64	VSS 2846 G5AZ	V240E	66260394162
VG 1A1W	8	6	2,0	6	60	4,5	8	B91	VSS 2846 G5AZ	V240E	66260394381
VG 1A1W	8	6	2,0	6	60	4,5	8	B126	C5VD1	V36	66260398844
VG 1A1W	8,5	10	2,0	6	60	5,0	12	B64	VSS 2846 G5AZ	V240E	66260398963
VG 1A1W	8,5	10	2,0	6	60	5,0	12	B91	VSS 2846 G5AZ	V240E	66260398082
VG 1A1W	8,5	10	2,0	6	60	5,0	12	B126	C5VD1	V36	66260395045
VG 1A1W	9	10	2,0	6	60	5,0	12	B64	VSS 2846 G5AZ	V240E	66260397564
VG 1A1W	9	10	2,0	6	60	5,0	12	B91	VSS 2846 G5AZ	V240E	66260390983
VG 1A1W	9	10	2,0	6	60	5,0	12	B126	C5VD1	V36	66260391946
VG 1A1W	9,5	10	2,0	6	60	5,5	12	B64	VSS 2846 G5AZ	V240E	66260393865
VG 1A1W	9,5	10	2,0	6	60	5,5	12	B91	VSS 2846 G5AZ	V240E	69014158684
VG 1A1W	9,5	10	2,0	6	60	5,5	12	B126	C5VD1	V36	69014170847
VG 1A1W	10	10	2,0	6	60	-	-	B64	VSS 2846 G5AZ	V240E	66260398666
VG 1A1W	10	10	2,0	6	60	-	-	B91	VSS 2846 G5AZ	V240E	66260392785
VG 1A1W	10	10	2,0	6	60	-	-	B126	C5VD1	V36	66260392048
VG 1A1W	11	10	2,5	6	60	-	-	B64	VSS 2846 G5AZ	V240E	66260396167
VG 1A1W	11	10	2,5	6	60	-	-	B91	VSS 2846 G5AZ	V240E	66260392086
VG 1A1W	11	10	2,5	6	60	-	-	B126	C5VD1	V36	66260387849
VG 1A1W	12	10	2,5	6	60	-	-	B64	VSS 2846 G5AZ	V240E	69014161068
VG 1A1W	12	10	2,5	6	60	-	-	B91	VSS 2846 G5AZ	V240E	66260395187
VG 1A1W	12	10	2,5	6	60	-	-	B126	C5VD1	V36	66260391750

Other Dimensions on request. Speedtesting basically for $v_c = 40\text{ m/s}$
Higher speedtesting demands on request. Grit size Fine = B64, Medium = B91, Rough = B126

Items in heavy print are available ex stock.
For all others the minimum ordering quantity is 5 pieces.

Grinding pins in vitrified bond



n_{zul} : see page 7, $L_{3min} = 10$ mm

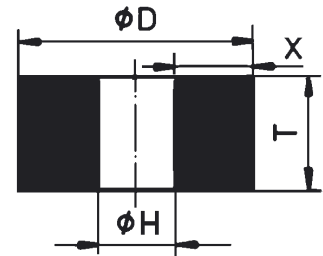
VG 1A1W

Shape	D	T	X	S	L ₂	S ₁	L ₄	Grit size	Bond	CBN Concentration	Order No.
VG 1A1W	13	10	2,5	6	60	-	-	B64	VSS 2846 G5AZ	V240E	66260393169
VG 1A1W	13	10	2,5	6	60	-	-	B91	VSS 2846 G5AZ	V240E	66260397188
VG 1A1W	13	10	2,5	6	60	-	-	B126	C5VD1	V36	66260396651
VG 1A1W	14	10	2,5	6	60	-	-	B64	VSS 2846 G5AZ	V240E	66260397570
VG 1A1W	14	10	2,5	6	60	-	-	B91	VSS 2846 G5AZ	V240E	66260395789
VG 1A1W	14	10	2,5	6	60	-	-	B126	C5VD1	V36	66260399052
VG 1A1W	15	10	3,0	6	60	-	-	B64	VSS 2846 G5AZ	V240E	69014163671
VG 1A1W	15	10	3,0	6	60	-	-	B91	VSS 2846 G5AZ	V240E	66260396690
VG 1A1W	15	10	3,0	6	60	-	-	B126	C5VD1	V36	66260396253

Other Dimensions on request. Speedtesting basically for $v_c = 40$ m/s
Higher speedtesting demands on request. Grit size Fine = B64, Medium = B91, Rough = B126

Items in heavy print are available ex stock.
For all others the minimum ordering quantity is 5 pieces.

Layer ring in vitrified bond



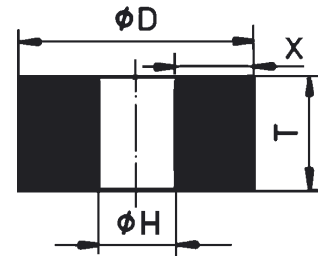
VG 1A8

Shape	D	T	X	H	Grit size	Bond	CBN Concentration	Order No.
VG 1A8	10	10	2,5	5	B64	VSS 2846 G5AZ	V240	66260394977
VG 1A8	10	10	2,5	5	B91	C5VD1	V36	66260396154
VG 1A8	10	10	2,5	5	B126	C5VD1	V36	66260393099
VG 1A8	10	14	2,5	5	B64	VSS 2846 G5AZ	V240	66260388678
VG 1A8	10	14	2,5	5	B91	C5VD1	V36	69014159655
VG 1A8	10	14	2,5	5	B126	C5VD1	V36	66260389500
VG 1A8	11	10	2,5	6	B64	VSS 2846 G5AZ	V240	66260388179
VG 1A8	11	10	2,5	6	B91	C5VD1	V36	69014158156
VG 1A8	11	10	2,5	6	B126	C5VD1	V36	69014162201
VG 1A8	11	14	2,5	6	B64	VSS 2846 G5AZ	V240	66260393580
VG 1A8	11	14	2,5	6	B91	C5VD1	V36	66260395957
VG 1A8	11	14	2,5	6	B126	C5VD1	V36	69014162502
VG 1A8	12	10	3,0	6	B64	VSS 2846 G5AZ	V240	66260397982
VG 1A8	12	10	3,0	6	B91	C5VD1	V36	66260391958
VG 1A8	12	10	3,0	6	B126	C5VD1	V36	66260397203
VG 1A8	12	15	2,0	8	B64	VSS 2846 G5AZ	V240	66260396791
VG 1A8	12	15	2,0	8	B91	C5VD1	V36	66260399966
VG 1A8	12	15	2,0	8	B126	C5VD1	V36	69014163811
VG 1A8	13	10	3,5	6	B64	VSS 2846 G5AZ	V240	69014158584
VG 1A8	13	10	3,5	6	B91	C5VD1	V36	66260396259
VG 1A8	13	10	3,5	6	B126	C5VD1	V36	69014161804
VG 1A8	13	15	3,5	6	B64	VSS 2846 G5AZ	V240	66260392385
VG 1A8	13	15	3,5	6	B91	C5VD1	V36	69014157860
VG 1A8	13	15	3,5	6	B126	C5VD1	V36	66260388105
VG 1A8	15	10	4,5	6	B64	VSS 2846 G5AZ	V240	66260391986
VG 1A8	15	10	4,5	6	B91	C5VD1	V36	69014161961
VG 1A8	15	10	4,5	6	B126	C5VD1	V36	66260392006
VG 1A8	15	15	4,5	6	B64	VSS 2846 G5AZ	V240	66260395087
VG 1A8	15	15	4,5	6	B91	C5VD1	V36	66260394662
VG 1A8	15	15	4,5	6	B126	C5VD1	V36	69014170907
VG 1A8	18	10	5,0	8	B64	VSS 2846 G5AZ	V240	69014170892
VG 1A8	18	10	5,0	8	B91	C5VD1	V36	66260397567
VG 1A8	18	10	5,0	8	B126	C5VD1	V36	66260393912
VG 1A8	18	15	5,0	8	B64	VSS 2846 G5AZ	V240	66260398493
VG 1A8	18	15	5,0	8	B91	C5VD1	V36	69014163168
VG 1A8	18	15	5,0	8	B126	C5VD1	V36	66260397713
VG 1A8	20	10	7,0	6	B64	VSS 2846 G5AZ	V240	66260397088
VG 1A8	20	10	7,0	6	B91	C5VD1	V36	69014158063
VG 1A8	20	10	7,0	6	B126	C5VD1	V36	69014167508
VG 1A8	20	15	7,0	6	B64	VSS 2846 G5AZ	V240	66260395689
VG 1A8	20	15	7,0	6	B91	C5VD1	V36	66260398864
VG 1A8	20	15	7,0	6	B126	C5VD1	V36	69014158009
VG 1A8	20	20	7,0	6	B64	VSS 2846 G5AZ	V240	66260396590
VG 1A8	20	20	7,0	6	B91	C5VD1	V36	66260394465
VG 1A8	20	20	7,0	6	B126	C5VD1	V36	66260397310
VG 1A8	22	10	6,0	10	B64	VSS 2846 G5AZ	V240	66260393995
VG 1A8	22	10	6,0	10	B91	C5VD1	V36	66260394469
VG 1A8	22	10	6,0	10	B126	C5VD1	V36	66260393414

Other Dimensions on request. Speedtesting basically for $v_c = 40$ m/s
Higher speedtesting demands on request. Grit size Fine = B64, Medium = B91, Rough = B126

Items in heavy print are available ex stock.
For all others the minimum ordering quantity is 2 pieces.

Layer ring in vitrified bond



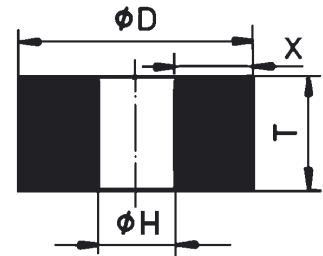
VG 1A8

Shape	D	T	X	H	Grit size	Bond	CBN Concentration	Order No.
VG 1A8	22	15	6,0	10	B64	VSS 2846 G5AZ	V240	69014158496
VG 1A8	22	15	6,0	10	B91	C5VD1	V36	66260398870
VG 1A8	22	15	6,0	10	B126	C5VD1	V36	66260393415
VG 1A8	22	20	6,0	10	B64	VSS 2846 G5AZ	V240	66260386897
VG 1A8	22	20	6,0	10	B91	C5VD1	V36	69014165871
VG 1A8	22	20	6,0	10	B126	C5VD1	V36	66260399016
VG 1A8	24	10	7,0	10	B64	VSS 2846 G5AZ	V240	66260392798
VG 1A8	24	10	7,0	10	B91	C5VD1	V36	66260394272
VG 1A8	24	10	7,0	10	B126	C5VD1	V36	66260394617
VG 1A8	24	15	7,0	10	B64	VSS 2846 G5AZ	V240	66260391599
VG 1A8	24	15	7,0	10	B91	C5VD1	V36	69014160973
VG 1A8	24	15	7,0	10	B126	C5VD1	V36	66260388018
VG 1A8	24	20	7,0	10	B64	VSS 2846 G5AZ	V240	66260388800
VG 1A8	24	20	7,0	10	B91	C5VD1	V36	66260397874
VG 1A8	24	20	7,0	10	B126	C5VD1	V36	66260399819
VG 1A8	25	10	7,5	10	B64	VSS 2846 G5AZ	V240	66260395803
VG 1A8	25	10	7,5	10	B91	C5VD1	V36	66260399076
VG 1A8	25	10	7,5	10	B126	C5VD1	V36	66260397621
VG 1A8	25	15	7,5	10	B64	VSS 2846 G5AZ	V240	69014159404
VG 1A8	25	15	7,5	10	B91	C5VD1	V36	66260396477
VG 1A8	25	15	7,5	10	B126	C5VD1	V36	66260392422
VG 1A8	25	20	7,5	10	B64	VSS 2846 G5AZ	V240	69014160101
VG 1A8	25	20	7,5	10	B91	C5VD1	V36	69014162775
VG 1A8	25	20	7,5	10	B126	C5VD1	V36	69014162620
VG 1A8	27	18	8,5	10	B64	VSS 2846 G5AZ	V240	66260387505
VG 1A8	27	18	8,5	10	B91	C5VD1	V36	66260389478
VG 1A8	27	18	8,5	10	B126	C5VD1	V36	69014158723
VG 1A8	27	24	8,5	10	B64	VSS 2846 G5AZ	V240	66260391606
VG 1A8	27	24	8,5	10	B91	C5VD1	V36	66260389179
VG 1A8	27	24	8,5	10	B126	C5VD1	V36	66260395124
VG 1A8	28	19	9,0	10	B64	VSS 2846 G5AZ	V240	69014167707
VG 1A8	28	19	9,0	10	B91	C5VD1	V36	66260394180
VG 1A8	28	19	9,0	10	B126	C5VD1	V36	66260399125
VG 1A8	30	15	10,0	10	B64	VSS 2846 G5AZ	V240	69014164708
VG 1A8	30	15	10,0	10	B91	C5VD1	V36	66260395081
VG 1A8	30	15	10,0	10	B126	C5VD1	V36	69014158026
VG 1A8	30	20	10,0	10	B64	VSS 2846 G5AZ	V240	66260396010
VG 1A8	30	20	10,0	10	B91	C5VD1	V36	66260391583
VG 1A8	30	20	10,0	10	B126	C5VD1	V36	66260391728
VG 1A8	30	25	10,0	10	B64	VSS 2846 G5AZ	V240	66260398109
VG 1A8	30	25	10,0	10	B91	C5VD1	V36	66260399382
VG 1A8	30	25	10,0	10	B126	C5VD1	V36	69014160727

Other Dimensions on request. Speedtesting basically for $v_c = 40$ m/s
Higher speedtesting demands on request. Grit size Fine = B64, Medium = B91, Rough = B126

Items in heavy print are available ex stock.
For all others the minimum ordering quantity is 2 pieces.

Layer ring in vitrified bond



VG 1A8

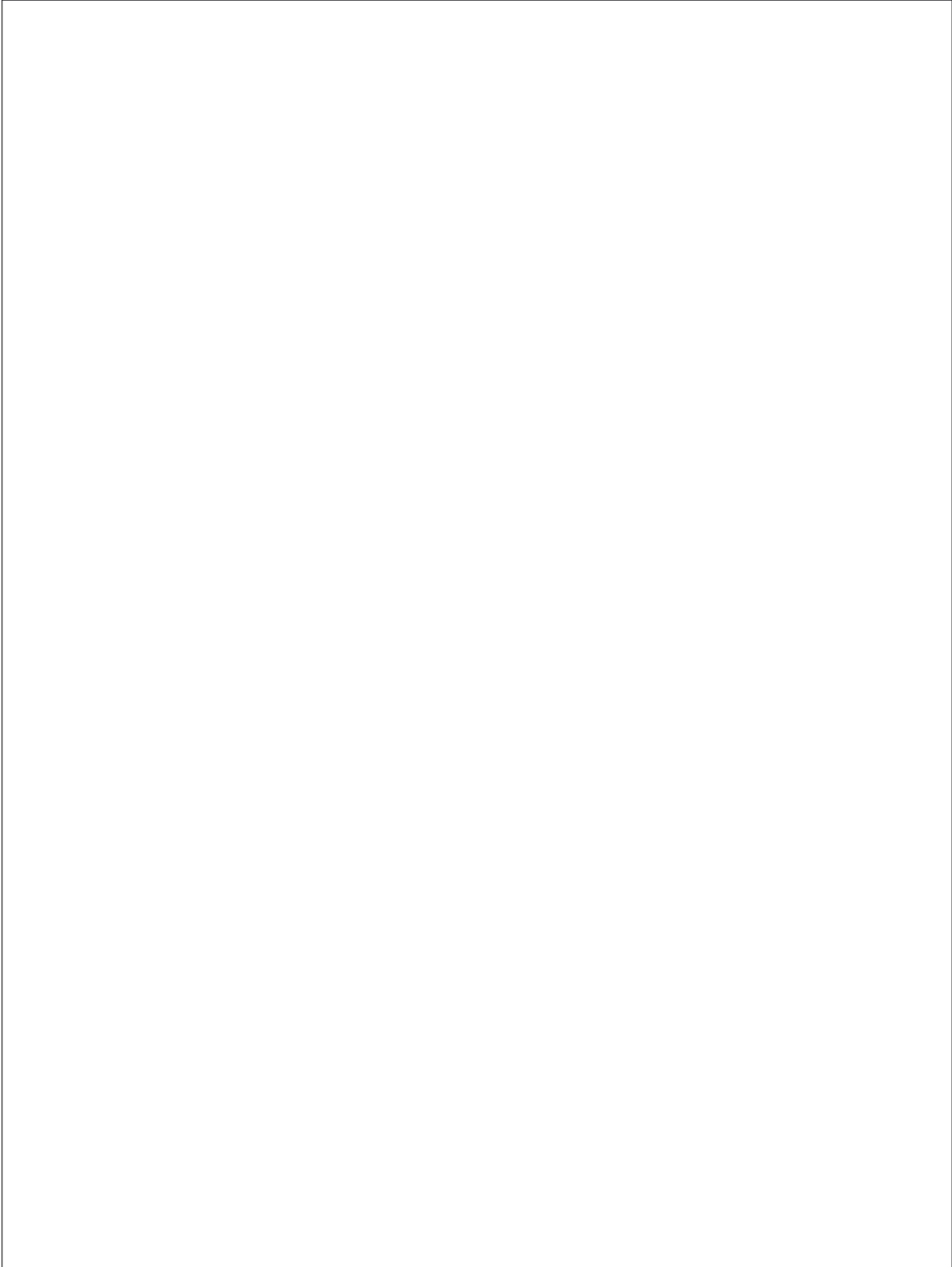
Shape	D	T	X	H	Grit size	Bond	CBN Concentration	Order No.
VG 1A8	32	15	11,0	10	B64	VSS 2846 G5AZ	V240	69014161611
VG 1A8	32	15	11,0	10	B91	C5VD1	V36	69014160784
VG 1A8	32	15	11,0	10	B126	C5VD1	V36	66260386429
VG 1A8	32	20	11,0	10	B64	VSS 2846 G5AZ	V240	66260392312
VG 1A8	32	20	11,0	10	B91	C5VD1	V36	66260393285
VG 1A8	32	20	11,0	10	B126	C5VD1	V36	66260399630
VG 1A8	32	25	11,0	10	B64	VSS 2846 G5AZ	V240	66260396513
VG 1A8	32	25	11,0	10	B91	C5VD1	V36	66260392286
VG 1A8	32	25	11,0	10	B126	C5VD1	V36	69014162531
VG 1A8	35	15	12,5	10	B64	VSS 2846 G5AZ	V240	66260392314
VG 1A8	35	15	12,5	10	B91	C5VD1	V36	66260396987
VG 1A8	35	15	12,5	10	B126	C5VD1	V36	69014169332
VG 1A8	35	20	12,5	10	B64	VSS 2846 G5AZ	V240	66260393015
VG 1A8	35	20	12,5	10	B91	C5VD1	V36	66260399488
VG 1A8	35	20	12,5	10	B126	C5VD1	V36	69014167833
VG 1A8	35	25	12,5	10	B64	VSS 2846 G5AZ	V240	66260397416
VG 1A8	35	25	12,5	10	B91	C5VD1	V36	66260397189
VG 1A8	35	25	12,5	10	B126	C5VD1	V36	69014158134
VG 1A8	37	15	12,0	13	B64	VSS 2846 G5AZ	V240	66260394217
VG 1A8	37	15	12,0	13	B91	C5VD1	V36	66260397990
VG 1A8	37	15	12,0	13	B126	C5VD1	V36	66260398735
VG 1A8	37	20	12,0	13	B64	VSS 2846 G5AZ	V240	66260387318
VG 1A8	37	20	12,0	13	B91	C5VD1	V36	66260398291
VG 1A8	37	20	12,0	13	B126	C5VD1	V36	66260392838
VG 1A8	37	25	12,0	13	B64	VSS 2846 G5AZ	V240	66260397619
VG 1A8	37	25	12,0	13	B91	C5VD1	V36	69014174592
VG 1A8	37	25	12,0	13	B126	C5VD1	V36	66260388739
VG 1A8	40	15	13,5	13	B64	VSS 2846 G5AZ	V240	69014159520
VG 1A8	40	15	13,5	13	B91	C5VD1	V36	69014158293
VG 1A8	40	15	13,5	13	B126	C5VD1	V36	66260392840
VG 1A8	40	20	13,5	13	B64	VSS 2846 G5AZ	V240	66260396621
VG 1A8	40	20	13,5	13	B91	C5VD1	V36	66260391194
VG 1A8	40	20	13,5	13	B126	C5VD1	V36	69014158641
VG 1A8	40	25	13,5	13	B64	VSS 2846 G5AZ	V240	66260391722
VG 1A8	40	25	13,5	13	B91	C5VD1	V36	66260394395
VG 1A8	40	25	13,5	13	B126	C5VD1	V36	66260399842
VG 1A8	45	15	16,0	13	B64	VSS 2846 G5AZ	V240	66260399723
VG 1A8	45	15	16,0	13	B91	C5VD1	V36	69014160796
VG 1A8	45	15	16,0	13	B126	C5VD1	V36	69014158343
VG 1A8	45	20	16,0	13	B64	VSS 2846 G5AZ	V240	66260394724
VG 1A8	45	20	16,0	13	B91	C5VD1	V36	66260387297
VG 1A8	45	20	16,0	13	B126	C5VD1	V36	66260398944
VG 1A8	45	25	16,0	13	B64	VSS 2846 G5AZ	V240	66260397525
VG 1A8	45	25	16,0	13	B91	C5VD1	V36	66260393298
VG 1A8	45	25	16,0	13	B126	C5VD1	V36	66260395145

Other Dimensions on request. Speedtesting basically for $v_c = 40$ m/s
 Higher speedtesting demands on request. Grit size Fine = B64, Medium = B91, Rough = B126

Items in heavy print are available ex stock.
 For all others the minimum ordering quantity is 2 pieces.

Note

Note






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